

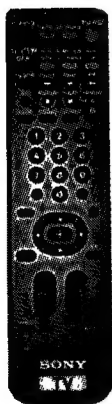
# SERVICE MANUAL

# AA-2D CHASSIS

| <u>MODEL</u>     | <u>COMMANDER</u> | <u>DEST.</u> | <u>CHASSIS NO.</u> |
|------------------|------------------|--------------|--------------------|
| <b>KV-32V26</b>  | RM-Y137A         | US           | SCC-K96B-A         |
| <b>KV-32V26</b>  | RM-Y137A         | CND          | SCC-K97A-A         |
| <b>KV-32V36</b>  | RM-Y137A         | US           | SCC-K96C-A         |
| <b>KV-32V36</b>  | RM-Y137A         | CND          | SCC-K97B-A         |
| <b>KV-34V36C</b> | RM-Y137A         | E            | SCC-K98A-A         |
| <b>KV-35V36</b>  | RM-Y137A         | US           | SCC-K96G-A         |
| <b>KV-35V36</b>  | RM-Y137A         | CND          | SCC-K97F-A         |
| <b>KV-35V76</b>  | RM-Y137A         | US           | SCC-K96H-A         |
| <b>KV-37V36M</b> | RM-Y137A         | E            | SCC-K98J-A         |

Note: Adjustment Manual for this model is published separately

|                 |                          |
|-----------------|--------------------------|
|                 | <b>Adjustment Manual</b> |
| <b>Part No.</b> | 9-965-829-01             |



RM-Y137A



KV-32V36



KV-35V76



996582701

TRINITRON® COLOR TV  
**SONY®**

## SPECIFICATIONS

**For all models:**

|                   |  |   |       |
|-------------------|--|---|-------|
| Television system | American TV standard                           |   |       |
| Channel coverage  | VHF  | : | 2-13  |
|                   | UHF  | : | 14-69 |
|                   | CATV   | : | 1-125 |
| Antenna           | 75-ohm external antenna terminal for VHF / UHF |   |       |
| Picture tube      | Hi-Black Trinitron® tube                       |   |       |

**For specific models:**

|  | <b>KV-32V26</b>   | <b>KV-32V36</b>   | <b>KV-34V36C</b>  | <b>KV-35V36</b>  | <b>KV-35V76</b>  | <b>KV-37V36M</b>   |
|--|---|---|---|--|--|--|
| <b>Screen Size</b><br>(measured diagonally)                                      | 32 inch   | 32 inch   | 32 inch   | 35 inch  | 35 inch  | 35 inch  |
| <b>Power requirements</b>  | 120V, 60Hz  | 120V, 60Hz  | 220V, 50/60Hz   | 120V, 60Hz   | 120V, 60Hz   | 120V, 60Hz   |
| <b>Number of inputs/outputs</b>  |   |   |   |  |  |  |
| Video <sup>(1)</sup>   | 3   | 3   | 3   | 3  | 3  | 3  |
| S video <sup>(2)</sup>   | 1   | 2   | 2   | 2  | 2  | 2  |
| Audio <sup>(3)</sup>   | 3   | 3   | 3   | 3  | 3  | 3  |
| Audio out <sup>(4)</sup>   | 1   | 1   | 1   | 1  | 1  | 1  |
| Monitor out <sup>(1)</sup>   | 1   | 1   | 1   | 1  | 1  | 1  |
| TV out <sup>(1)</sup>  | -   | 1   | 1   | 1  | 1  | 1  |
| S-Link   | ●   | ●   | ●   | ●  | ●  | ●  |
| <b>Speaker output (W)</b>  | 5W x 2  | 10W x 2   | 10W x 2   | 5W x 2   | 10W x 2  | 5W x 2   |
| <b>Power consumption (W)</b><br><b>When in use (Max.)</b><br><b>In Standby</b>   | 190W<br>13W   | 210W, 2.75A<br>13W  | 210W<br>13W   | 215W, 2.80A<br>13W   | 225W, 2.90A<br>13W   | 215W, 2.80A<br>13W   |
| <b>Dimensions (W/H/D)</b><br><b>(mm)</b>   | 821 x 675.3<br>x 587 mm   | 821 x 675.3<br>x 587 mm   | 821 x 675.3<br>x 587 mm   | 920 x 730.8<br>x 641.8 mm  | 920 x 1207<br>x 713 mm   | 920 x 730.8<br>x 641.8 mm  |
| <b>(in.)</b>   | 33 <sup>1</sup> / <sub>2</sub> x 27 <sup>5</sup> / <sub>8</sub><br>x 24 in. | 33 <sup>1</sup> / <sub>2</sub> x 27 <sup>5</sup> / <sub>8</sub><br>x 24 in. | 33 <sup>1</sup> / <sub>2</sub> x 27 <sup>5</sup> / <sub>8</sub><br>x 24 in. | 37 <sup>5</sup> / <sub>8</sub> x 29 <sup>7</sup> / <sub>8</sub><br>x 26 <sup>1</sup> / <sub>8</sub> in | 37 <sup>5</sup> / <sub>8</sub> x 49 <sup>3</sup> / <sub>8</sub><br>x 28 <sup>1</sup> / <sub>8</sub> in | 37 <sup>5</sup> / <sub>8</sub> x 29 <sup>7</sup> / <sub>8</sub><br>x 26 <sup>1</sup> / <sub>8</sub> in |
| <b>Mass (kg)</b><br><b>(lb)</b>  | 70 kg<br>154 lbs 6oz  | 70 kg<br>154 lbs 6oz  | 70 kg<br>154 lbs 6oz  | 90 kg<br>198 lbs 7oz   | 130 kg<br>279 lbs 6oz  | 90 kg<br>198 lbs 7oz   |
| <b>Supplied accessories</b><br>Remote commander<br>(w/ 2 size AA (R6) batteries) | RM-Y137A  | RM-Y137A  | RM-Y137A  | RM-Y137A   | RM-Y137A   | RM-Y137A   |

<sup>(1)</sup> 1 Vp-p, 75 ohms unbalanced, sync negative<sup>(2)</sup> Y: 1 Vp-p, 75 ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms<sup>(3)</sup> 500 mVrms (100% modulation); Impedance: 47 kilohms<sup>(4)</sup> More than 408 mVrms at the maximum volume setting (variable)

More than 408mVrms (fix); Impedance: 5 kilohms

**\*\* Design and specifications are subject to change without notice.****Optional accessories**

Connecting cables VMC-810S/820S, VMC-720M,  
 YC-15V/30V, RK-74A  
 TV Stand SU-32A (KV-32V26/32V36/34V36C only)  
 TV Stand SU-35A (KV-35V36/37V36M)  
 U/V mixer EAC-66

**(●)® SRS (SOUND RETRIEVAL SYSTEM)**

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

The word "SRS" and the SRS symbol (●) are registered trademarks of SRS Labs, Inc.

## SAFETY CHECK-OUT (US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.

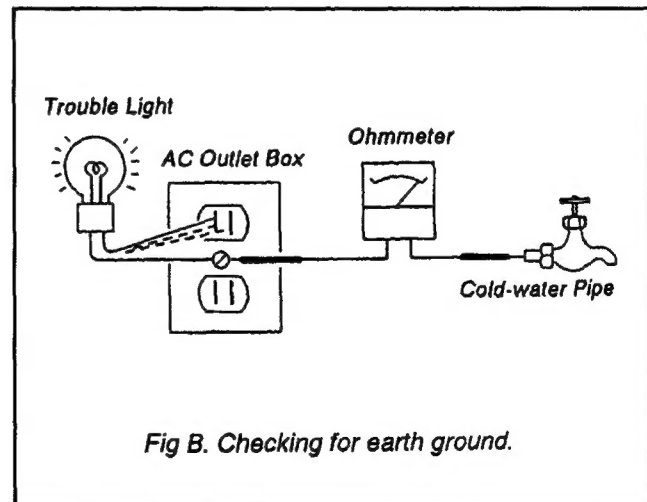
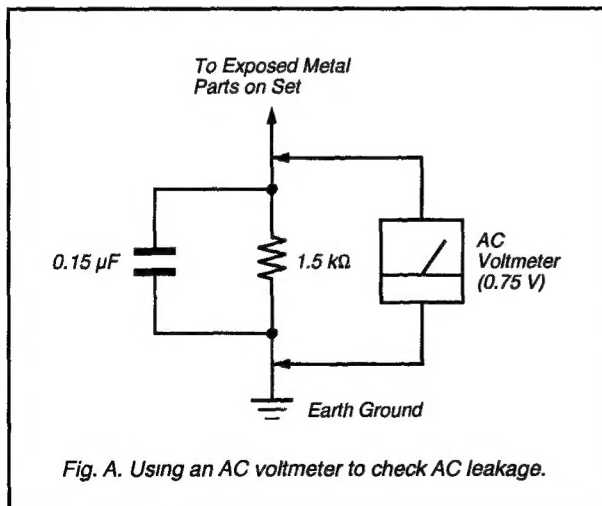
### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampere). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

### HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)



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### CAUTION!

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

### ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

### WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.  
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

### ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

### SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  $\Delta$  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

### ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE  $\Delta$  SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT SUSPECTE.



### Connecting a VCR and TV with a cable box

- 1 Connect the single (input) jack of the Splitter to your incoming cable connection, and connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV.
- 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

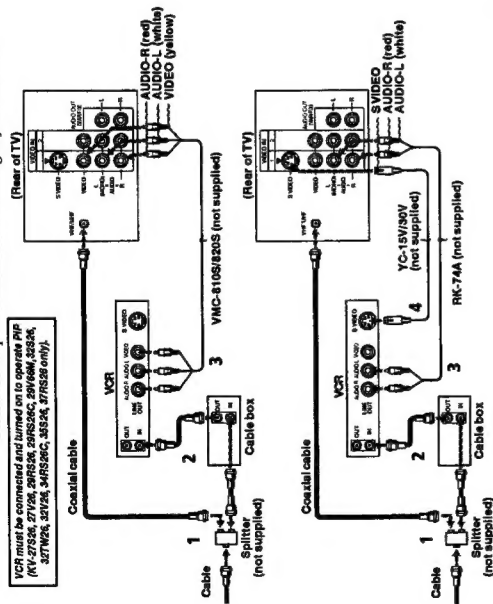
### Connecting to an S Video equipped VCR with a cable box

- 1-2 Perform as described above.
- 3 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right).
- 4 Using an S VIDEO connector, connect S VIDEO OUT on your VCR to S VIDEO IN on your TV.

**Note:**

- To view scrambled channels through your cable box, select VIDEO 1 by pressing TV/VIDEO on the remote control.

Disconnect all power sources before making any connections



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### Connecting an audio system

For greater viewing pleasure, integrate your home stereo into the system.

- 1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, etc.) on your stereo (White-AUDIO Left, Red-AUDIO Right).
- 2 Set your stereo to the chosen Line input and refer to page 20 of this manual for additional audio setup instructions.

### Connecting an AV receiver

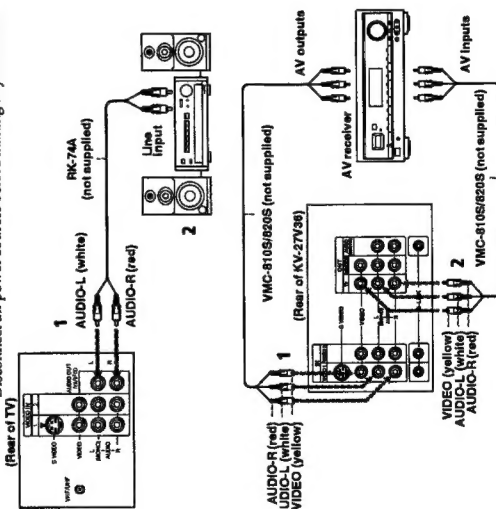
- KV-27V26, 29V36C, 29V76M, 32V36, 34V36C, 35V36, 35V76, 37V36M only

For greater viewing pleasure, connect your AV receiver.

- 1 Using AUDIO/VIDEO connectors, connect VIDEO 1 IN on your TV to Monitor AUDIO and VIDEO OUT on your AV receiver.
- 2 Using AUDIO/VIDEO connectors, connect TV OUT on your TV to TV AUDIO and VIDEO IN on your AV receiver.

You may want to use CHANNEL FIX to fix your TV's input to the AV receiver (VIDEO 1). See CHANNEL FIX, page 22.

Disconnect all power sources before making any connections



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### Connecting and Installing the TV (continued)

#### Connecting a DBS (Direct Broadcast Satellite) receiver

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
- 3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

#### Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your VCR.
- 3 Using a coaxial connector, connect VHF/UHF OUT on your VCR to VHF/UHF on your TV.
- 4 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
- 5 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV.

**Note:**

- To view input from the DBS or VCR, select VIDEO 1 by pressing TV/VIDEO on the remote control.

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### Connecting and Installing the TV (continued)

Disconnect all power sources before making any connections

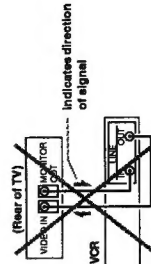
#### Connecting two VCRs for tape editing using MONITOR OUT

- KV-27V26, 27V36, 29V36C, 29V69M, 29V76M, 32V36, 32V36C, 34V36C, 35V36, 35V76, 37V36M only
- MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

- 1 Connect the VCR intended for playback using the setup instructions on page 4 of this manual.
- 2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

#### Notes

- Do not change the input signal while editing through MONITOR OUT.
- When connecting a single VCR to the TV, if VCR LINE OUT is connected to TV VIDEO IN, do not connect the TV MONITOR OUT jacks to the VCR LINE INPUT (see right). Doing so will cause program interference and other viewing problems.



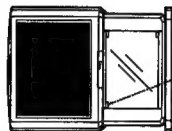
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## Connecting and Installing the TV (continued)

### KV-32TW26 and KV-35V76 only

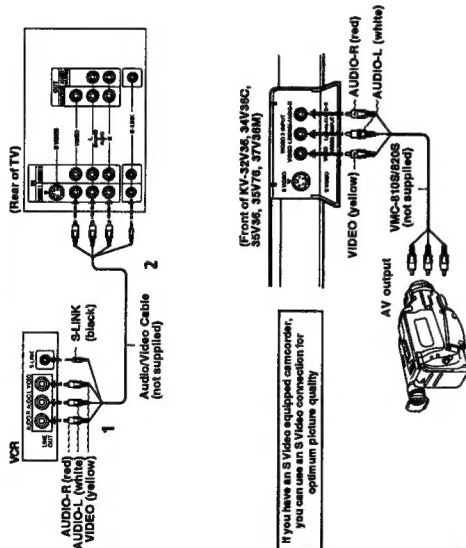
Follow these instructions to install the glass door and adjust the shelf



Parts List

|   |              |   |
|---|--------------|---|
| A | Bottom hinge | 1 |
| B | Top hinge    | 1 |
| C | Screw Set    | 4 |
| D | Plate pad    | 1 |
| E | Plate        | 1 |
| F | Metal pin    | 4 |

Disconnect all power sources before making any connections



### Using the S-Link function

- KV-27V26, 27V36, 29V36C, 29V66M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only

S-Link is a Sony innovation designed to make your Sony components work together. It allows you to automatically switch the TV input mode to video when you press PLAY on your Sony S-Link camcorder. It also allows you to turn the TV and TV off at the same time with the SYSTEM OFF button.

- Connect your VCR using the setup instructions on page 4 of this manual
- Using an S-Link connector, connect the S-LINK jacks on your VCR and TV. Ensure the S-Link connector is seated firmly and that the TV S-LINK and VCR S-LINK are in the same row as the AUDIO/VIDEO connectors

### Connecting a camcorder

- KV-27V26, 27V36, 29V36C, 29V66M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only

This connection is convenient for viewing a picture directly from your camcorder

Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your camcorder to TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right)

### Note:

- If you are connecting a monoaural camcorder, connect only the single audio output to the left input on your TV

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## Basic Set up

### Inserting batteries

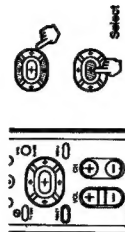
Insert two size AA (R6) batteries (supplied) by matching the + and - on the batteries to the diagram inside the battery compartment



### Notes:

- Remove the batteries to avoid damage from possible battery leakage whenever you anticipate that the remote control will not be used for an extended period
- Handle the remote control with care
- Avoid dropping it, getting it wet, or placing it in direct sunlight, near a heater, or where the humidity is high
- Your remote control can be programmed to operate most video equipment. See page 24

### Using the remote control



The supplied remote control has select buttons which allow for movement of the on-screen selector in four directions. Pressing on the edge of the select buttons will cause the selector to move in the selected direction. Pressing the center of the select buttons "Select" will activate the selected item

### Adjusting sliders

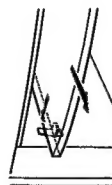
When menu items present a slider (— or —), use the select buttons (← or →) to adjust the setting

### On Line Help/Instructions

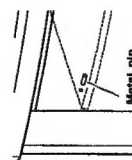
Several menu windows will provide prompts and instructions to assist you in navigating through the different functions. When presented, use these to supplement the instructions in this manual

### Adjusting the shelf

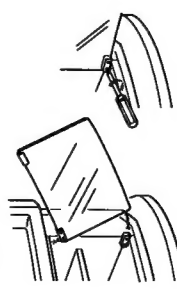
- Press the upper part of the temporary shelf supports and remove the shelf



- Insert the metal pin shelf supports (2 each side)



- Push the top glass door hinge into the top right bushing and gently slide the glass door into the bottom hinge. Adjust the glass door until level, and tighten the hinge screws



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## Using your New TV

### Setting up the TV automatically

The EASY SETUP GUIDE feature will allow you to set the on-screen language and set all receivable channels. The EASY SETUP GUIDE screen will appear every time you turn on the TV until you perform AUTO PROGRAM.

The EASY SETUP GUIDE feature does not apply for installations that use a cable box for all channel selection.

To set up the TV manually, refer to "Using the SET UP menu" on page 22.

#### Tips

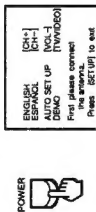
- Perform the function during the day, with the antenna and/or cable properly connected, to receive all available channels.
- After using EASY SETUP GUIDE, you will still have the option of changing any of the system settings, like receiving channels, through the SET UP menu (page 22).
- The TV must be set to TV input to use the AUTO PROGRAM Press ANT until the channel number appears.
- If you wish, once the TV is connected to AUX, then press the TV button on the remote control and number (KV-27V36, 27V36, 29V36C, 29V76M, 32V36, 32V36C, 34V36C, 35V36, 35V76, 37V36M only).

Using the buttons on the front of the TV



For KV-27V36, 29V36C, 29V76M, 32V36, 34V36C, 35V36, 35V76 and 37V36M, the control buttons are located on the top of the TV.

- Press POWER to turn on the TV. The EASY SETUP GUIDE screen appears.



- (Except Canadian models) Press CHANNEL + to select English screens or CHANNEL - to select Spanish screens.



- Press VOLUME - to continue or TV/VIDEO for a DEMO of functions and menus.

### Watching the TV

All of the TV features can be accessed via the remote control. The following chart will explain the function of the buttons found on your remote control.



REFER TO THE ILLUSTRATION OF THE REMOTE CONTROL ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART.

| TV (FUNCTION) | Activates the remote control for use with the TV  |
|---------------|---|
| TV POWER      | Turns the TV on and off. If "VIDEO" appears on the screen, press TV/VIDEO or ANT so that a channel number appears.  |
| CH +/-        | Use for direct channel selection. Press 0-9 to select a channel (for example, to select channel 10, press 1 and 0), the channel will change after 2 seconds, or you can press ENTER for immediate selection.                  |
| VOL +/-       | Press to scan through the channels (+ up or - down).  |
| JUMP          | Press to alternate or jump back and forth between two channels. You can only jump between the last two channels that have been selected with the 0-9 keys.  |
| MUTING        | Press to mute the sound ("MUTING" will appear on the screen). Press again or press VOL + to restore sound.  |
| FREEZE        | Press to freeze the window picture while in PIP mode. If you are not in PIP mode, pressing FREEZE will cause the main picture to freeze into a window picture. Great for copying down phone numbers, addresses, recipes, etc. |

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### Using your New TV (continued)

#### Watching two programs at one time — PIP

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size "main" picture and one in a smaller "window" picture. This means that two separate tuners must be available to provide the two signals.

Certain models (KV-27V36, 27V36, 29V36C, 29V76M, 29V76C, 32V36, 32V36C, 34V36C, 35V36, 35V36C, 35V76, 37V36M only) are equipped with a single tuner. This simply means that a VCR must be connected and turned on for PIP to operate.

#### Tip

To ensure correct single tuner PIP connection (KV-27V36, 27V36, 29V36C, 29V76M, 29V76C, 32V36, 32V36C, 34V36C, 35V36, 35V36C, 35V76, 37V36M only), make sure the following listed sample connections are complete before using PIP:

- A cable or antenna is connected to the VCR.
- The VCR is connected to your TV.
- The VCR is turned on.

(for detailed connection information, see page 3-5)

#### Note:

- You must press TV (FUNCTION) before you can control PIP with the yellow labeled buttons.

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| CAPTION VISION   | Some programs are broadcast with Caption Vision. To display Caption Vision, select CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3, or TEXT4 from the menu, then press DISPLAY until Caption Vision is displayed. |
|--|---|
| CC1, CC2, CC3, or CC4 shows you a caption, that is, a printed version of the dialogue or sound effects of a program. (The mode should be set to CC1 for most programs) TEXT1, TEXT2, TEXT3, or TEXT4 shows you text, that is, information presented using either half or the whole screen. It is not usually related to the program. |   |
| Notes  |   |
| Poor reception of TV programs can cause errors in Caption Vision and XDS. Captions may appear with a white box or other errors instead of intended text.   |   |
| XDS, Caption Vision, and the status display cannot be used at the same time.   |   |

|            |  |
|------------|--|
| SLEEP      | Press repeatedly until the TV displays the approximate time in minutes (60, 80, or 90) that you want the TV to remain on before shutting off automatically. Cancel by pressing until "SLEEP OFF" appears.  |
| DISPLAY    | Press repeatedly to step through available displays: Status, Channel number, current time, channel caption (if set), and MTS mode (if SAP is selected). XDS (Extended Data Service) shows a network name, program name, program type, program length, call letters, and time of the show if the broadcaster offers this service. Caption Vision will be displayed on the screen if the broadcaster offers this service (see right). To cancel the display, press DISPLAY repeatedly until "DISPLAY OFF" appears. "DISPLAY OFF" disappears after three seconds. |
| TV/VIDEO   | Press repeatedly to step through available video inputs: TV, Video 1 and Video 2 (KV-27V36, 27V36, 29V36C, 29V76M, 29V76C, 32V36, 32V36C, 34V36C, 35V36, 35V36C, 35V76, 37V36M only). TV, Video 1, Video 2 and Video 3 (KV-27V36, 27V36, 29V36C, 29V76M, 29V76C, 32V36, 32V36C, 34V36C, 35V36, 35V36C, 35V76, 37V36M only).  |
| ANT        | Press to change the VHF/UHF input to the AUX input (KV-27V36, 27V36, 29V36C, 29V76M, 29V76C, 32V36, 32V36C, 34V36C, 35V36, 35V36C, 35V76, 37V36M only). For detailed connection information, see "Cable box and cable" or "Cable and antenna" on page 3.   |
| SYSTEM OFF | KV-27V36, 27V36, 29V36C, 29V76M, 29V76C, 32V36, 32V36C, 34V36C, 35V36, 35V36C, 35V76, 37V36M only. Press to turn off the TV and all other equipment connected with S-Link and return the TV input to either antenna or AUX, whichever was last used.   |
| MTS/GUIDE  | Press this button to cycle through the Multi-channel TV Sound (MTS) options (page 20).   |



### Use the Yellow Labeled Buttons for PIP Operations

|                        |  |
|------------------------|--|
| TV/VTR<br>+ CH<br>- CH | Press to change the TV channel in the window picture (+ to increase the channel number and - to decrease).<br>For models KV-27S26, 27V26, 28RS26C, 29V66M, 32S26, 32TV26, 34RS26C, 35S26, and 37RS26, if you are watching the video input in the window picture, you must press VTR (FUNCTION), then use the main CH +/- buttons to change channels. |
| POSITION               | Press to move the location of the window picture (counterclockwise) around the main picture.   |
| FREEZE                 | Press to freeze the window picture. Great for copying down phone numbers, addresses, receipts, etc.<br>If a window picture is displayed, then it will be frozen. If only the main picture is displayed, then it will be frozen and displayed as a window picture.<br>Press FREEZE again to restore the previous screen(s).                           |
| SWAP                   | Press to switch the audio and video of the main picture and the window picture. Each time you press SWAP, the picture and sound of the two will be SWAPPED.<br>The channels being received through the AUX jack cannot be displayed as a window picture (KV-27S36, 27V36, 29V26C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 37RS26, 37V36M only).  |

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### Using the VIDEO menu



For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

#### To select the VIDEO menu:



#### To restore the factory settings

Press RESET on the remote control while the VIDEO menu is displayed.

| MODE        | DESCRIPTION   |
|-------------|---|
| STANDARD    | Select to receive a standard picture.   |
| MOVIE       | Select to receive a finely detailed picture.  |
| SPORTS      | Select to receive a vivid, bright picture.  |
| PICTURE     | Adjust slider left (cursor down) to decrease picture contrast and soften the color.<br>Adjust slider right (cursor up) to increase picture contrast and create more vivid color.  |
| HUE         | Adjust slider left (cursor down) to decrease the green tones.<br>Adjust slider right (cursor up) to increase the green tones.   |
| COLOR       | Adjust slider left (cursor down) to decrease color intensity.<br>Adjust slider right (cursor up) to increase color intensity.   |
| BRIGHTNESS  | Adjust slider left (cursor down) to darken the picture.<br>Adjust slider right (cursor up) to brighten the picture.   |
| SHARPNESS   | Adjust slider left (cursor down) to soften the picture.<br>Adjust slider right (cursor up) to sharpen the picture.  |
| LIGHTSENSOR | (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V26, 35V76, 37V36M only)<br>ON: TV automatically adjusts the brightness of the picture according to the brightness of the room.<br>OFF: Brightness remains at preset value. |

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### Adjusting your SET UP (menus)

#### Learning menu selection

Use the MENU button to access a menu and use the Select buttons to alter settings. Use the following example to learn how to modify settings.

- Press the MENU button. The main menu appears.



- Press the select buttons (up or down) to highlight the desired menu and press (right) to activate it.



- Press the select buttons (up or down) to select the desired option.



- Press (right) Options for your selection will be displayed.



When you are done with changes to the selected menu, choose MENU to return to the main menu. Once you have completed all menu corrections, press MENU on the remote control to exit the menu screens.

#### Note

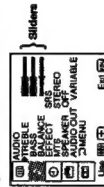
- Pressing MENU on the remote control will allow you to exit from the menus.

- Make your selection and press (right) to activate it. The previous screen will reappear.



### Adjusting your SET UP (menus) (continued)

#### Using the AUDIO menu



For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

#### To select the AUDIO menu:



#### To restore the factory settings

Press RESET on the remote control while the AUDIO menu is displayed.

Tip

Press (right) for direct selection of an EFFECT setting.

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| TREBLE    | Sound Adjustment  | Adjust slider left (cursor down) to decrease higher pitched sounds.<br>Adjust slider right (cursor up) to increase higher pitched sounds.   |
|-----------|---|---|
| BASS      | Sound Adjustment  | Adjust slider left (cursor down) to decrease low pitched sounds.<br>Adjust slider right (cursor up) to increase low pitched sounds.   |
| BALANCE   | Sound Adjustment  | Adjust slider left (cursor down) to emphasize left speaker volume.<br>Adjust slider right (cursor up) to emphasize right speaker volume.  |
| EFFECT    | Customize sound effect based on the program's audio type. | SURROUND: Simulates theater quality sound (only for stereo programs). (KV-27S26, 27S36, 28RS26, 28RS26C, 29S26, 32TV26, 34RS26C, 35S26, 35S36, 37RS26 only)<br>SRS: Produces a dynamic three dimensional sound for stereo or encoded audio signals. (KV-27V26, 27V36, 29V36C, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only)<br>SIMULATED: Adds a surround-like effect to mono programs. (KV-27V26, 27V36, 28RS26, 29V66M, 29V76M, 32V26, 32V36, 34V36C, 35V36, 35V76, 37V36M only) |
| MTS       | Enjoy stereo, bilingual and mono programs.                | STEREO: Select for stereo reception when viewing a program broadcast in stereo.<br>SAP: Select to listen to a bilingual broadcast (non-SAP programs will be muted when this feature is selected).<br>MONO: Select for mono reception. (Use to reduce noise during stereo broadcasts).<br>Quick MTS access: Press MTS on your remote to cycle through the MTS options as follows: (STEREO * SAP * MONO * STEREO)   |
| SPEAKER   | Custom selection of audio output source                   | ON: Select to listen to the sound from the TV speakers and a separate stereo system.<br>OFF: Select to turn off the TV speakers and listen to the TV's sound only through external audio system speakers.   |
| AUDIO OUT | Gray control of volume adjustment.                        | AUDIO OUT can only be set when speakers are set to OFF.<br>VARIABLE: Sound output varies according to the TV settings. Volume, Bass, Treble, and Balance are adjusted through the TV. Useful when you want to use your own speakers.<br>FIXED: Sound output is held at a fixed level. Volume, Bass, Treble, and Balance are fixed to the factory settings. Volume adjustments are made through your stereo.   |

## Adjusting your SET UP (menus) (continued)

### Using the SET UP menu



### CHANNEL SET UP

Basic set up options for viewing

### With the CHANNEL SET UP window open

- 1 Use  $\star$  or  $\blacktriangle$  to select the feature you want to change
- 2 Press  $\rightarrow$  to access the feature
- 3 Press  $\rightarrow$  if your TV is connected to a cable system (AUTO SET UP will set CABLE to ON automatically when it programs the TV)

**CHANNEL FIX** Use this feature to set the TV's input to one of the following options.

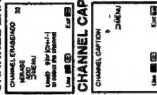
- 2-6: Choose when the cable box is connected to the VHF/UHF input and you do not want to switch to AUX mode. Once the setting is made you will not be able to use the "TV function" CH+/- to change channels. Instead, use the "Cable function" CH+/-.
- AUX 2-6: Choose when a cable box is connected to AUX and a cable or antenna is connected to ANT. You can alternate between the two inputs by pressing ANT on the remote control (KV-27S36, 27V36, 29V36C, 29V78M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only).

**VIDEO 1** Choose when you have connected video equipment (e.g. AV receiver) and you want TV input for it. You will only be able to select between video sources **TIMER** and **CHANNEL BLOCK** settings are erased when **CHANNEL FIX** is set.

**AUTO PROGRAM** Instructs the TV to automatically program all receivable channels.

**CHANNEL ERASE/ADD** With the CHANNEL ERASE/ADD window open

- 1 Place the cursor next to ERASE or ADD
- 2 Select the desired channel using CH+/-, or by selecting with the 0-9 buttons and pressing ENTER
- 3 Press  $\rightarrow$  to activate

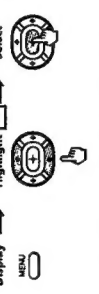


**CHANNEL CAPTION** With the CHANNEL CAPTION window open

- 1 Press  $\rightarrow$  and then  $\star$  or  $\blacktriangle$  on the selected buttons to select the desired channel, and press  $\rightarrow$  again
- 2 Press  $\star$  or  $\blacktriangle$  on the selected buttons to display the first letter or number of the caption and press  $\rightarrow$  to select it. (Repeat until all four digits are selected)
- 3 Press  $\rightarrow$  to activate. To erase a Caption, press RESET

For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18

### To select the SET UP menu:



If any menu items are "grayed out", press the ANT button on your remote so that a channel number appears

Favorite channel feature is not available for the AUX input

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## Operating video equipment

### Setting the manufacturer's code

You can use the supplied remote control to operate Sony or non-Sony video equipment that has an infrared sensor

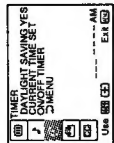
- 1 Press CODE SET
- 2 Press VTR (FUNCTION)
- 3 Use the 0-9 buttons to key in the manufacturer's code number from the following chart
- 4 Press ENTER

### VCR manufacturer code numbers

| Manufacturer            | Code          |
|-------------------------|---------------|
| Aony                    | 301, 302, 303 |
| Asahi                   | 338, 344      |
| Admiral (M Wards)       | 314, 337      |
| Audio Dynamic           | 330, 343      |
| Bell & Howell (M Wards) | 319, 317      |
| Broksonic               | 309, 308      |
| Canon                   | 315, 302, 332 |
| Citizen                 | 304, 338, 309 |
| Cosmic                  |               |
| Curtis Mathis           |               |

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### Using the TIMER menu



### DAYLIGHT SAVING

Automatically adjusts the time.

### CURRENT TIME SET

Necessary for the TIMER

**Spring** Select YES to compensate for Daylight Saving Time. The current time automatically moves one hour ahead.

**Fall** Select NO at the end of Daylight Saving Time. The current time moves back one hour.

**CURRENT TIME SET** window will appear

- 1 Press  $\star$  or  $\blacktriangle$  on the select buttons until the current day (MON-SUN) is displayed. Press  $\rightarrow$  to select
- 2 Press  $\star$  or  $\blacktriangle$  on the select buttons until the current hour (01-12) and AMPM is displayed. Press  $\rightarrow$  to select
- 3 Press  $\star$  or  $\blacktriangle$  on the select buttons until the current minute (00-59) is displayed
- 4 Press  $\rightarrow$

The clock has now started. Press MENU to exit

### ON/OFF TIMER

ON/OFF TIMER window will appear

- 1 Press  $\star$  or  $\blacktriangle$  on the select buttons until the desired day (MON-SUN) or range of days (EVERY Sun-Sat or EVERY Mon-Fri) is displayed. Press  $\rightarrow$  to select
- 2 Indicate the time (hours then minutes) that you want the TV to turn on by pressing  $\star$  or  $\blacktriangle$  and then  $\rightarrow$
- 3 Set the time duration (maximum of 6 hours) by pressing  $\star$  or  $\blacktriangle$  and then  $\rightarrow$
- 4 Press  $\star$  or  $\blacktriangle$  on the select buttons to select the desired channel. Press  $\rightarrow$  to select

The timer is now set. The TIMER indicator on your TV will be lit. Press MENU to exit. When you perform AUTO PROGRAM, all TIMER settings will be erased

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After setting the clock you can use the timer to turn the TV on and off

For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18

### To select the TIMER menu:



**Tip**  
Set daylight saving time before setting the clock. Any loss of power will cause these settings to be erased.

### CHANNEL BLOCK

You will be able to block two channels. With the CHANNEL BLOCK window open

- 1 Select 1 or 2 and press  $\rightarrow$
- 2 Press  $\star$  or  $\blacktriangle$  on the select buttons to display the channel you want to block
- 3 Press  $\rightarrow$  to select the channel
- 4 Press  $\rightarrow$  to select the blocked channel. "BLOCKED" will appear on the screen. Caption, Vision, XDS, and output from the selected channel will also be blocked. To erase your CHANNEL BLOCK settings, press RESET while in the CHANNEL BLOCK window. When you perform AUTO PROGRAM, your CHANNEL BLOCK settings will be erased

### FAVORITE CHANNEL

With the FAVORITE CHANNEL window open

- 1 Press  $\rightarrow$  and then  $\star$  or  $\blacktriangle$  on the select buttons to select AUTO or MANUAL, and press  $\rightarrow$  again
- 2 Press  $\star$  or  $\blacktriangle$  on the select buttons to select the channel that you choose with the remote control (0-9 buttons to be selected)
- 3 Press  $\star$  or  $\blacktriangle$  on the select buttons to select 1, 2, 3, 4, or 5 and press  $\rightarrow$
- 4 For KV-27S36, 27V36, 29V36C, 29V78M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only, you can preview your favorite channels in the window picture, to do so, set PREVIEW DISPLAY to ON

Using FAVORITE CHANNEL

- 1 Press  $\rightarrow$ , and your FAVORITE CHANNEL options appear
- 2 Press  $\star$  or  $\blacktriangle$  to select the channel you want to watch, and press  $\rightarrow$
- 3 For models KV-27S36, 27V36, 29V36C, 29V78M, 32S36, 32V36, 34V36C, 35S36, 35V36, 35V76, 37V36M only, if PREVIEW is turned on, then a window picture will display your favorite channels as you cycle through the options

The feature allows you to label each input mode so that you can easily identify the connected equipment (e.g. you can label VIDEO 1 IN as VHS)

- 1 Press  $\rightarrow$  to select the input mode you want to label and press  $\rightarrow$
- 2 Press  $\star$  or  $\blacktriangle$  to select the label and press  $\rightarrow$

**VIDEO LABEL Options:**  
Video 1: VHS, 8mm, BETA, LD, GAME, DVB, DVD, WEB, RECEIVER  
Video 2/3: VHS, 8mm, BETA, LD, GAME, DVB, DVD, WEB

(Except Canadian models)  
Select from available languages to cause all menus to appear in your language of choice

Use this feature to correct any tilt of the picture KV-35S36, 35S36, 35V36, 35V76, 37S36, 37V36M only. Press  $\star$  or  $\blacktriangle$  on the select buttons to select a correction between +5 and -5 and press  $\rightarrow$

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Pioneer 702  
 RCA 705  
 Sharp 706  
 Yamaha 707, 708

#### Tips

- In some cases, you may not be able to operate your Sony video equipment with the supplied remote control. In this case, please use the equipment's own remote control.
- The code numbers for Sony equipment are assigned at the factory as follows:

VHS VCR 301 (preset code for the supplied remote control)  
 302  
 8 mm VCR 302  
 Beta, ED Beta VCRs 303

- When you remove the batteries, the code number may revert to the factory setting.

| Operating a VCR                           |  | Buttons on the remote control |
|---|--|-------------------------------|
| To turn on or off                         | Press VTR (POWER)  |                               |
| To select a channel directly              | Press the 0-9 buttons  |                               |
| To change channels                        | Press CH +/-   |                               |
| To record                                 | Press $\blacktriangleright$ while pressing $\bullet$ . First release $\blacktriangleright$ , then release $\bullet$ .                                    |                               |
| To play                                   | Press $\blacktriangleleft$   |                               |
| To stop                                   | Press $\blacksquare$   |                               |
| To fast forward                           | Press $\blacktriangleright\blacktriangleright$   |                               |
| To rewind the tape                        | Press $\blacktriangleleft\blacktriangleleft$   |                               |
| To pause                                  | Press $\parallel$  |                               |
| To resume normal playback, press again    |  |                               |
| To search the picture forward or backward | Press $\blacktriangleright\blacktriangleright$ or $\blacktriangleleft\blacktriangleleft$ during playback. To resume normal playback, release the button. |                               |
| To change input mode                      | Press TV/VTR   |                               |

| Operating an MDP                          |  | Buttons on the remote control |
|---|--|-------------------------------|
| To turn on or off                         | Press VTR (POWER)  |                               |
| To play                                   | Press the $\blacktriangleleft$   |                               |
| To stop                                   | Press $\blacksquare$   |                               |
| To pause                                  | Press $\parallel$  |                               |
| To resume normal playback, press again    |  |                               |
| To search the picture forward or backward | Press $\blacktriangleright\blacktriangleright$ or $\blacktriangleleft\blacktriangleleft$ during playback. To resume normal playback, release the button. |                               |
| To search the chapter forward or backward | Press CH +/-   |                               |

## Operating a cable box or DBS receiver

### Programming the remote

You can program the supplied remote control to operate a cable box or DBS receiver.

- Press CODE SET
- Press DBS/CABLE (FUNCTION)
- Use the 0-9 buttons to key in the manufacturer's code number from the following chart
- Press ENTER

### To operate the TV

Press TV (FUNCTION). Then use the TV control buttons to control the TV.

### For more details on operating the cable box or DBS receiver

Refer to the operating instructions that come with the equipment.

### Manufacturer code numbers (cable box)

| Manufacturer       | Code number                                 |
|--------------------|---|
| Hamlin/Kegal       | 222, 223, 224, 225, 226                     |
| Jerrold/G L        | 201, 202, 203, 204, 205, 206, 207, 208, 218 |
| Oak                | 227, 228, 229                               |
| Panasonic          | 219, 220, 221                               |
| Pioneer            | 214, 215                                    |
| Scientific Atlanta | 209, 210, 211                               |
| Tocom              | 216, 217                                    |
| Zenith             | 212, 213                                    |

### Manufacturer code numbers (DBS receiver)

| Manufacturer     | Code number                          |
|------------------|--------------------------------------|
| Sony             | 801 (preset code for remote control) |
| General Electric | 802                                  |
| RCA/PROSCAN      | 802                                  |

### If the remote control doesn't work

- First, try repeating the setup procedures using the other codes listed for your equipment.

#### Tips

- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's own remote control unit.
- Whenever you remove the batteries—to replace them, for example—if too much time is taken, the code numbers may revert to the factory setting and must be reset.

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## Troubleshooting

### Troubleshooting

Cannot Operate Single-Tuner PIP (KV-2732A, 27V36, 28V36, 28V36C, 28V36M, 32V36, 32V36C, 32V36M, 32V36M only)

- Check that cable is connected to the VCR, and the VCR is turned on.
- Check that the VCR is connected to the TV.

No picture (screen not lit), no sound

- Make sure the power cord is plugged in.
- Operate with the buttons on the TV and the remote control.
- Insert the batteries in the remote control with the correct polarity.
- Replace the batteries with new ones if they are weak.
- Check to see if the TV/VIDEO setting is correct. When watching TV, set to TV, and when watching video tapes, set to VIDEO1, 2, or 3.
- Try another channel. It could be station trouble.
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13).

Poor or no picture (screen lit), good sound

- Adjust PICTURE in the VIDEO menu (page 19).
- Adjust BRIGHTNESS in the VIDEO menu (page 19).
- Check antenna/cable connections.
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13).
- Remove objects from the front of TV.
- Check the LIGHTSENSOR setting in the VIDEO menu (page 19).

Good picture, no sound

- Press MUTE so that "MUTING" disappears from the screen (page 14).
- Check the MTS setting in the AUDIO menu (page 20).
- Make sure SPEAKER is set to ON in the AUDIO menu (page 20).
- Perform AUTO SET UP again using the SET UP button to return to the factory preset condition (page 13).

No color

- Adjust the COLOR in the VIDEO menu (page 19).
- If the item you want to choose appears in gray, you cannot select it. Press TV/VIDEO correctly.

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## Troubleshooting (continued)

Cannot receive upper channels (UHF) when using an antenna

- Make sure CABLE is OFF in the SET UP menu (page 22).
- Use AUTO PROGRAM to add receivable channels that are not presently in TV memory (page 22).

TV is fixed to one channel

- Try turning CHANNEL FIX off (see page 22).
- Use AUTO PROGRAM to add receivable channels that are not presently in the TV memory (page 22).
- To reset the TV. First, turn the TV on. Then, while pressing the RESET key on the remote control, press the POWER key on the TV. The TV will turn itself off, then back on. When the TV turns on again, all settings will be reset, and the EASY SETUP GUIDE will appear.

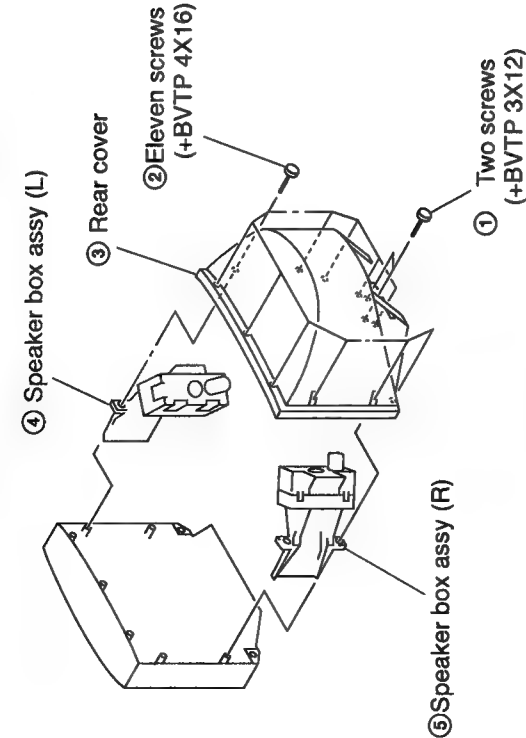
Remote control does not operate

- Batteries could be weak. Replace the batteries.
- Press TV (FUNCTION) when operating your TV.
- Make sure the TV's power cord is connected securely to the wall outlet.
- Locate the TV at least 3-4 feet away from fluorescent lights.
- Check the S-Link connection (page 4,5).

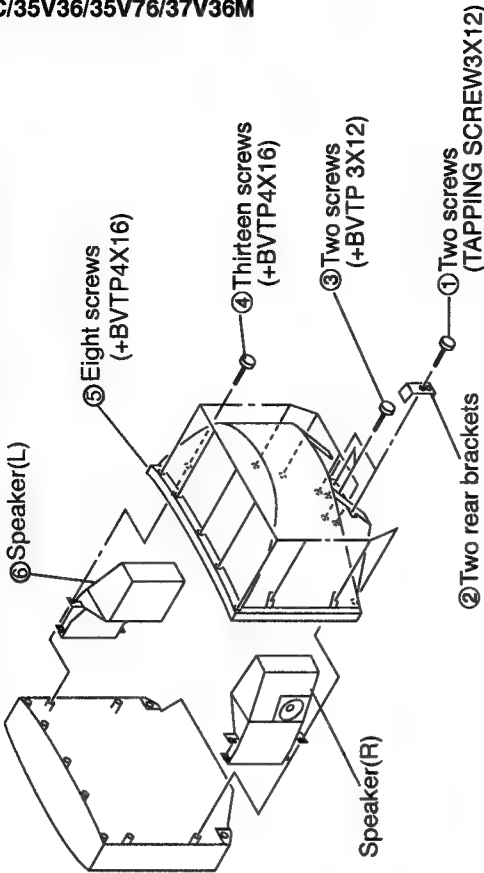
28

SECTION 2  
DISASSEMBLY

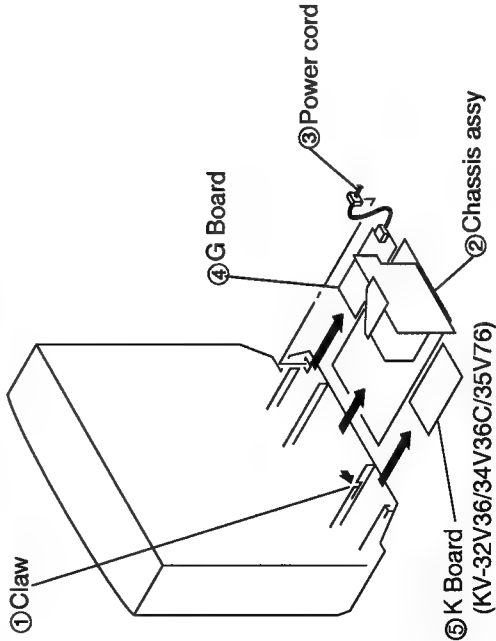
2-1-1. REAR COVER REMOVAL  
(32V26/32V36/34V36C)



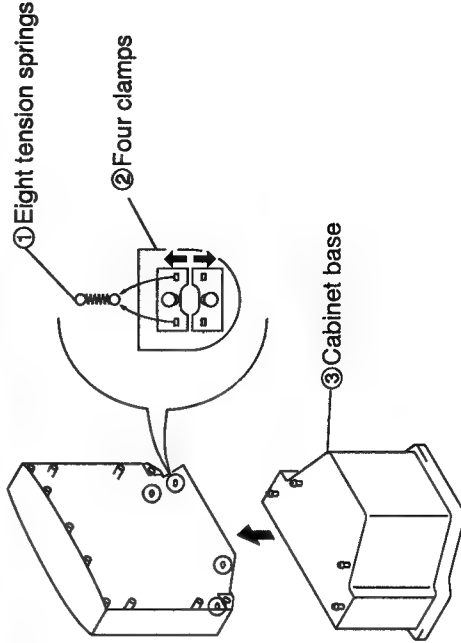
2-1-2. REAR COVER AND SPEAKER REMOVAL  
(35V36/35V76/37V36M)



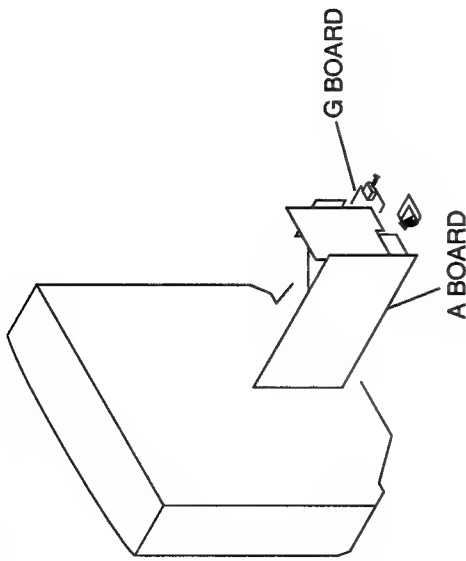
2-2. CHASSIS ASSY REMOVAL



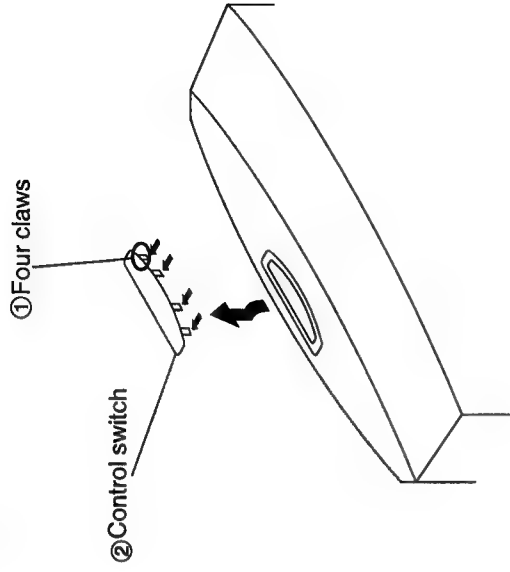
2-3. CABINET BASE REMOVAL (KV-35V76)



## 2-4. SERVICE POSITION



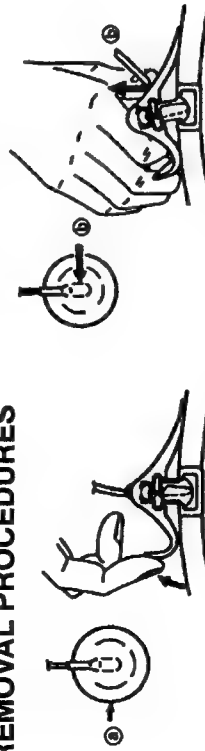
## 2-5. CONTROL SWITCH REMOVAL



## • REMOVAL OF THE ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon painted on the CRT, after removing the anode.

## • REMOVAL PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by arrow ㉑.

② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ㉒.

③ When one side of the rubber cap separates from the anode button, the anode-cap can be removed by turning the rubber cap and pulling it in the direction of arrow ㉓.

## • HOW TO HANDLE AN ANODE-CAP

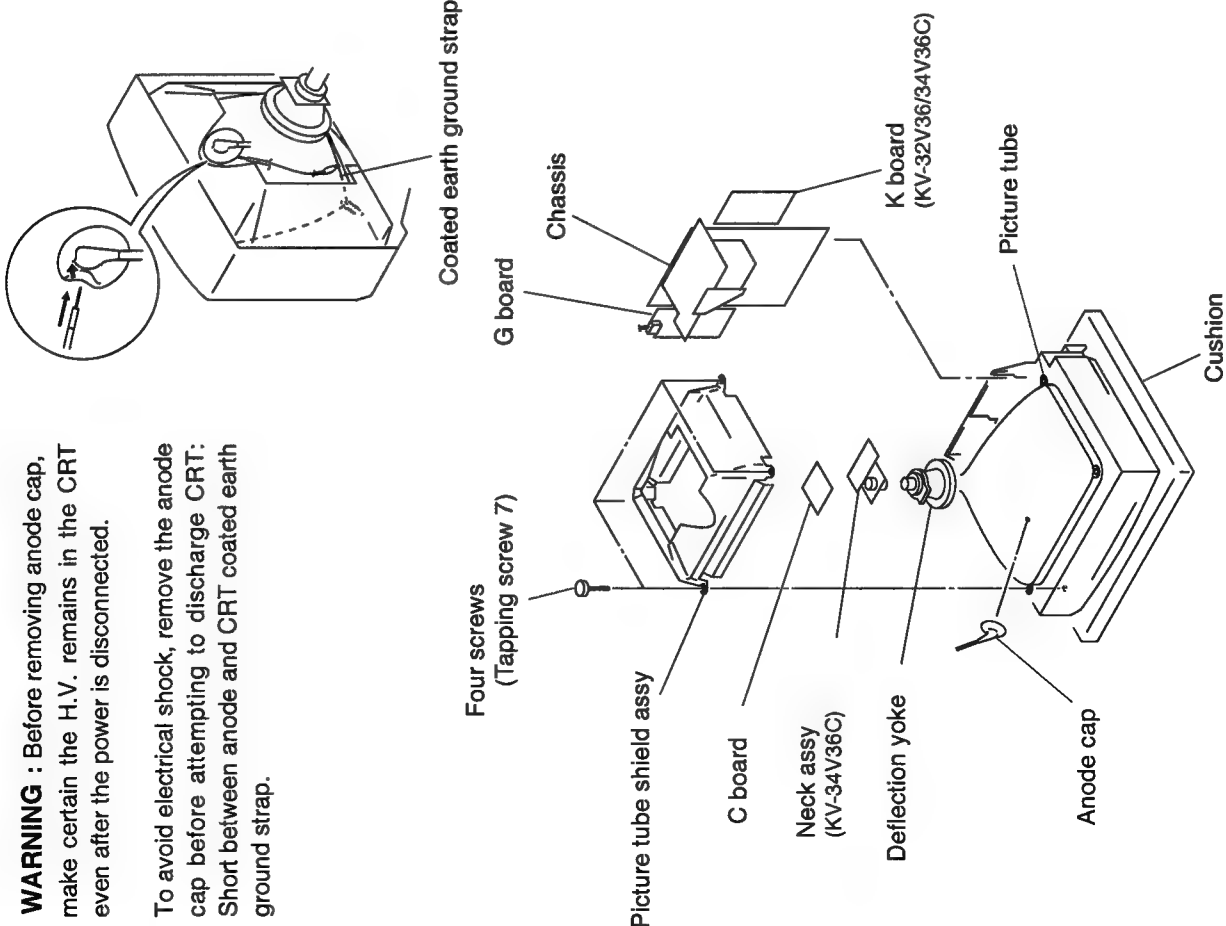
- ① Do not use sharp objects which may cause damage to the surface of the anode-cap.
- ② Do not squeeze the rubber covering too hard to avoid damaging the anode-cap. A material fitting called a shatter-hook terminal is built into the rubber.
- ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



2-6-1. PICTURE TUBE REMOVAL  
(KV-32V26/32V36/34V36C)

**WARNING :** Before removing anode cap, make certain the H.V. remains in the CRT even after the power is disconnected.

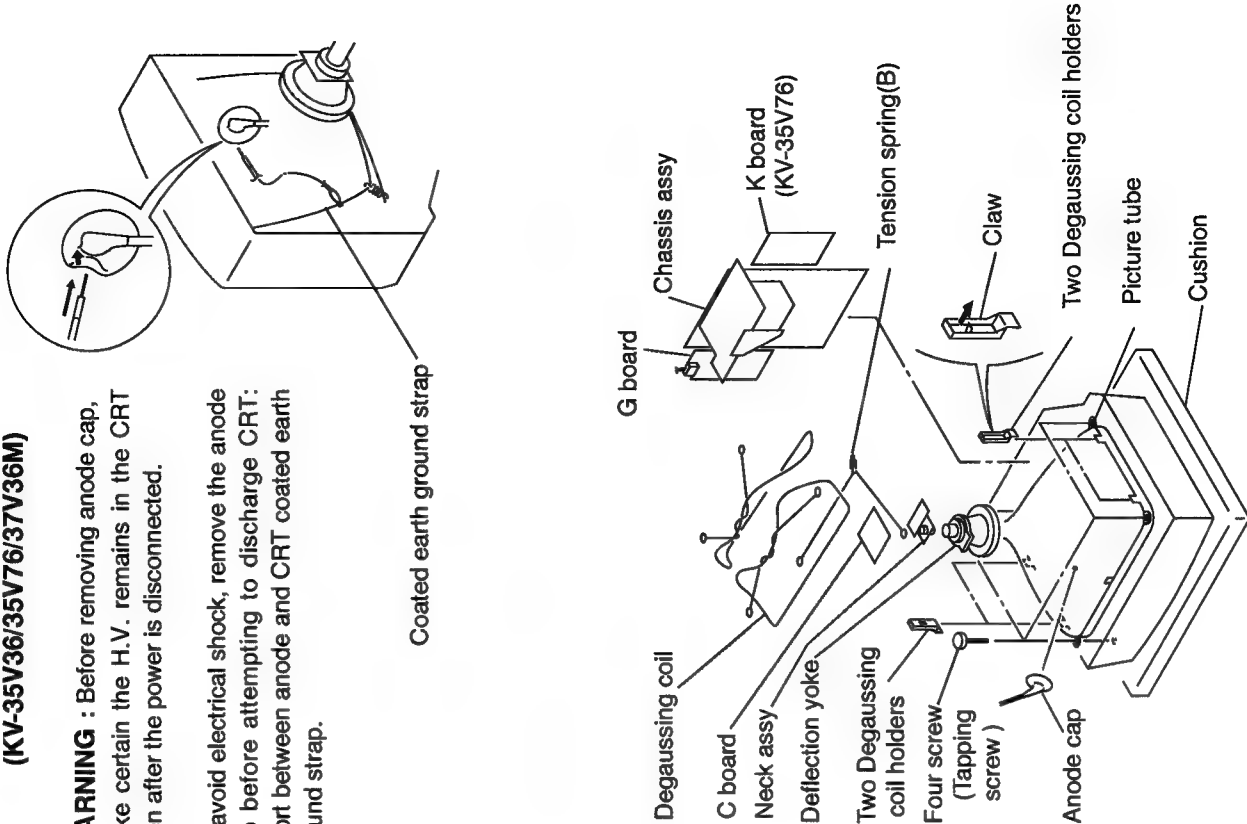
To avoid electrical shock, remove the anode cap before attempting to discharge CRT: Short between anode and CRT coated earth ground strap.



2-6-2. PICTURE TUBE REMOVAL  
(KV-35V36/35V76/37V36M)




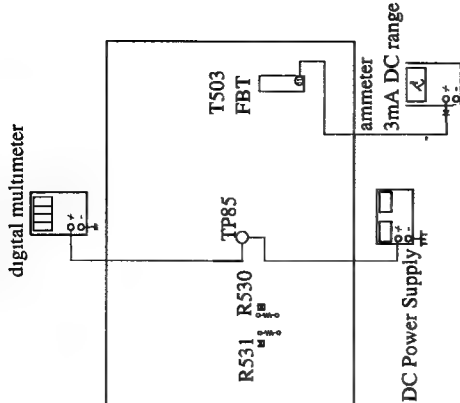
**WARNING :** Before removing anode cap, make certain the H.V. remains in the CRT even after the power is disconnected.


To avoid electrical shock, remove the anode cap before attempting to discharge CRT: Short between anode and CRT coated earth ground strap.





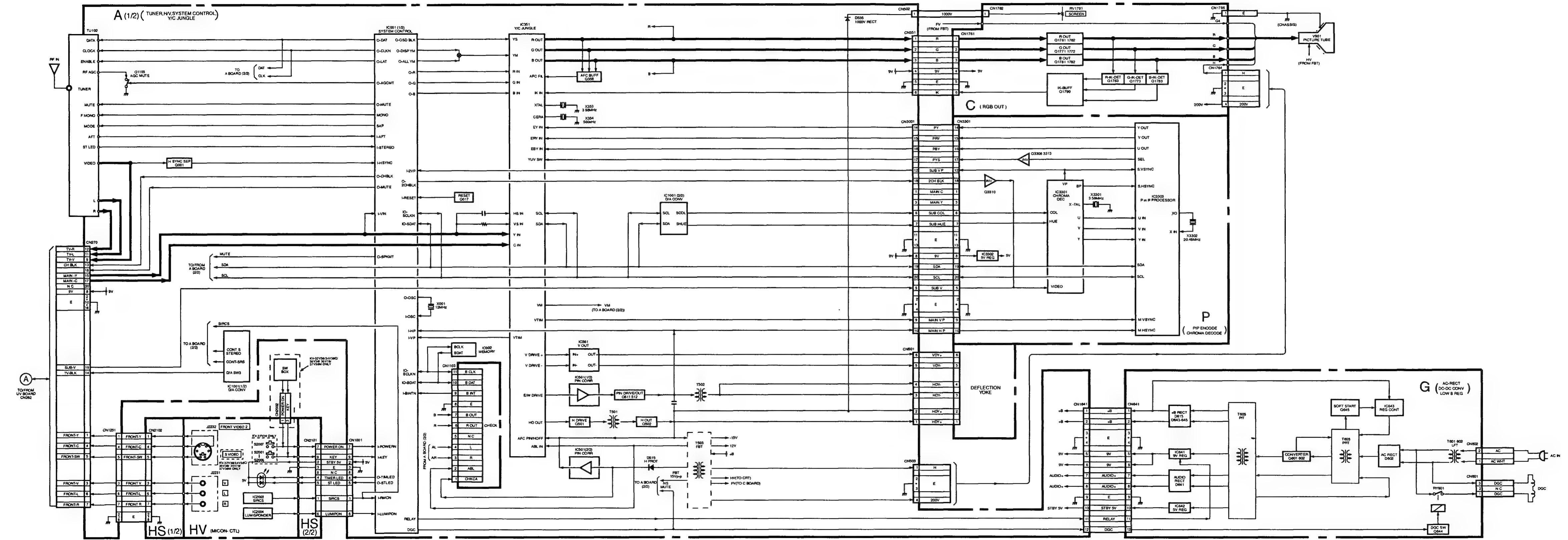
### SECTION 3 SAFETY RELATED ADJUSTMENTS

| ADJUSTMENT ITEM AND PROCEDURE  | EQUIPMENT AND SIGNAL   | MEASUREMENT POSITION  | ADJUSTMENT LOCATION  | ILLUSTRATION AND SHAPE AND NUMBER  |
|--|--|---|--|--|
| <p><b>RESISTOR CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS</b></p> <p>The following adjustments should always be performed when replacing the components marked with  on the A and G Board schematic diagrams.<br/>(Hold-down operation confirmation)</p> <p><b>Step 1</b></p> <p>Preparation before confirmation:</p> <p>a) Turn the POWER switch ON, input a white signal and set the PICTURE and BRIGHTNESS controls to maximum.</p> <p>b) Confirm that the voltage at the check terminal of TP85 is more than 18.0 VDC when the set is operating normally.<br/>(120 ± 2.0 VAC) or (220 ± 2.0 VAC for KV-34V36C)</p> <p><b>Step 2</b></p> <p>Input a white signal and verify that I ABL is within the specified range.</p> <p><b>Step 3</b></p> <p>Record the voltage between TP85 and ground.</p> <p><b>Step 4</b></p> <p>Using an external DC power supply, apply voltage between TP 85 and ground.<br/>Increase the voltage gradually and confirm that the hold-down works (raster disappears) at lower than the voltage recorded in Step 3.</p> <p><b>Step 5</b></p> <p>Confirm that a voltage of more than 18.0 VDC appears between TP85 and ground.</p> | <p>White Picture</p> <p>Digital multimeter</p> <p>White Picture</p> <p>White Picture</p> | <p> marked parts<br/>A Board<br/>IC351, IC501<br/>D519, D520, D521,<br/>C531, C532, R387,<br/>R529, R530, R531<br/>R532, R533, R550, T503<br/>G Board<br/>IC643, R661<br/>TP85 (H. PROT)</p> | <p> R530, 531</p> <p>PICTURE<br/>BRIGHTNESS<br/>..... maximum</p> <p>PICTURE<br/>BRIGHTNESS<br/>..... maximum</p> | <p>A BOARD - CONDUCTOR SIDE -</p>  <p>[Check Condition] Step 2<br/>2160 ± 100 <math>\mu</math>A<br/>120 <math>\pm 2.0</math> VAC (Power Supply)<br/>220 <math>\pm 2.0</math> VAC (Power Supply) (KV-34V36C only)</p> <p>[Check Condition] Step 4<br/>lower than 22.05 V DC<br/>120 <math>\pm 2.0</math> VAC (Power Supply)<br/>220 <math>\pm 2.0</math> VAC (Power Supply) (KV-34V36C only)</p> <p>[Check Condition] Step 5<br/>more than 18.0V DC<br/>120 <math>\pm 2.0</math> VAC (Power Supply)<br/>220 <math>\pm 2.0</math> VAC (Power Supply) (KV-34V36C only)</p> |

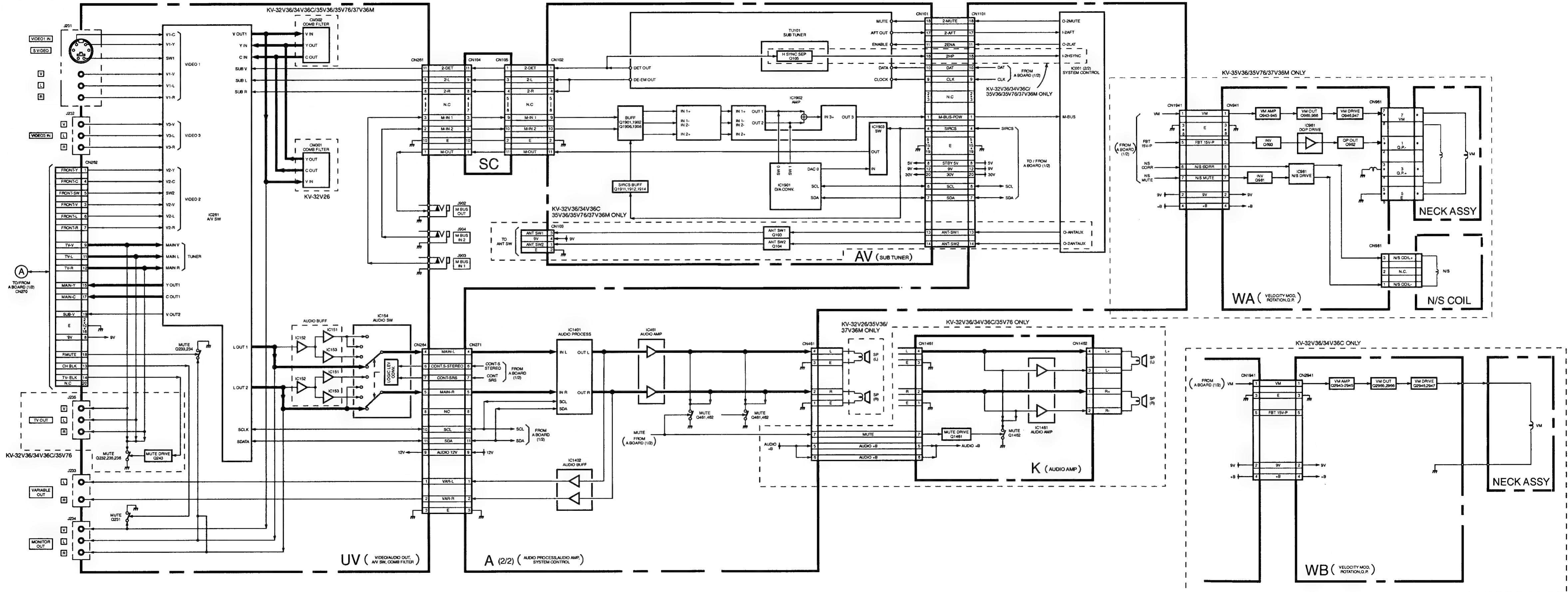
| ADJUSTMENT ITEM AND PROCEDURE  | EQUIPMENT AND SIGNAL                              | MEASUREMENT POSITION   | ADJUSTMENT LOCATION                                    | ILLUSTRATION AND SHAPE AND NUMBER  |
|--|---|--|--|--|
| <div data-bbox="265 1556 310 1927" style="border: 1px solid black; padding: 2px; display: inline-block;"> <b>B+ VOLTAGE CONFIRMATION</b> </div> <p>The following adjustments should always be performed when replacing the components marked with  on the schematic.</p> <ol style="list-style-type: none"> <li>1) Supply AC Voltage with a variable auto-transformer.</li> <li>2) Input an entirely monoscope signal.</li> <li>3) Set the PICTURE control and the BRIGHTNESS control to initial reset value.</li> <li>4) Confirm the voltage of the G board CN641 between pin 1 to ground is less than 136.5 VDC.</li> <li>5) If step 4) is not satisfied, replace the R661 and repeat above steps.</li> </ol> | <p>Variable auto-transformer</p> <p>Monoscope</p> | <p><u>G-Board</u><br/>IC643, R661</p> <p><u>G Board CN641</u><br/>Pin 1 - ground</p> | <p>PICTURE,<br/>BRIGHTNESS<br/>..... initial reset</p> | <p>130 <math>\pm 0</math> V AC<br/><math>-0</math></p> <p>220 <math>\pm 0</math> V AC (KV-34V36C only)<br/><math>-0</math></p> |

SECTION 4  
DIAGRAMS

4-1. BLOCK DIAGRAM

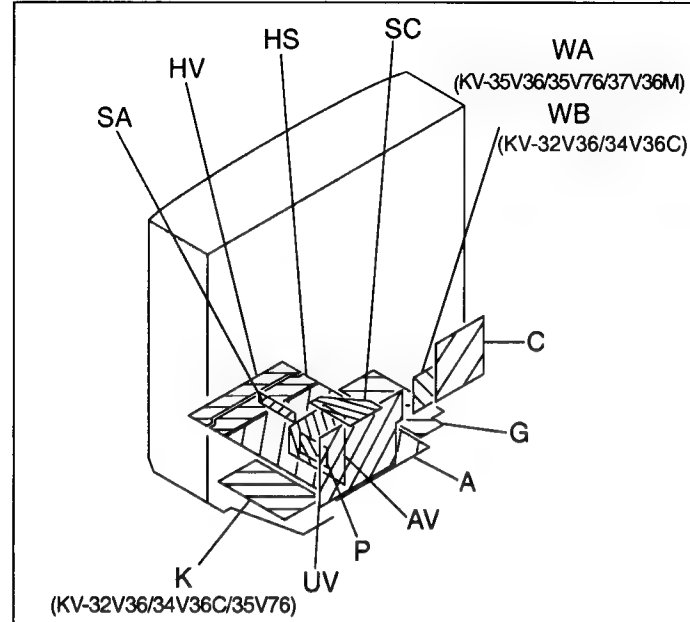


#### 4-2. FRAME SCHEMATIC DIAGRAM



SECTION 4  
DIAGRAMS (continued)

4-3. CIRCUIT BOARDS LOCATION



4-4. PRINTED WRING BOARDS AND  
SCHEMATIC DIAGRAMS

- Note:
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ ,  $\mu\text{F}$  50WV or less are not indicated except for electrolytics and tantalums.
  - All electrolytics are in 50V unless otherwise specified.
  - All resistors are in ohms  $\text{k}\Omega=1000\Omega$ ,  $\text{M}\Omega=1000\text{k}\Omega$ .
  - Indication of resistance, which does not have one for rating electrical power, is as follows

Pitch: 5mm  
Rating electrical power:  $1/4\text{W}$

- $1/4\text{W}$  in resistance,  $1/10\text{W}$  and  $1/8\text{W}$  in chip resistance
- nonflammable resistor
- fusible resistor
- internal component
- panel designation and adjustment for repair
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation

Should replacement be required, replace only with the value originally used

- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved (Refer to R530 and R531 adjustment on Page 15 - 16)
- When replacing the part in below table, be sure to perform the related adjustment

| Part replaced()  | Adjustment() |
|--|--------------|
| IC351, IC501, D519, D520, D521<br>C531, C532, R387, R529, R530, R531,<br>R532, R333R550, T503.....A BOARD<br>IC643, R661.....G BOARD | R530, R531   |

- Readings are taken with a color-bar signal input
- Readings are taken with a 10M $\Omega$  digital multimeter
- Voltages are DC with respect to ground unless otherwise noted
- Voltage variations may be noted due to normal production tolerances
- All voltages are in V
- S Measurement impossibility
- B-line
- B-line
- (Actual measured value may be different)
- signal path (RF)
- Circled numbers are waveform references

- Reference information
- RESISTOR
- RN METAL FILM
  - RC SOLID
  - FRPD NONFLAMMABLE CARBON
  - FUSE NONFLAMMABLE FUSIBLE
  - RW NONFLAMMABLE WIREWOUND
  - RS NONFLAMMABLE METAL OXIDE
  - RB NONFLAMMABLE CEMENT
  - X ADJUSTMENT RESISTOR
- COIL
- LF-8L MICRO INDUCTOR
- CAPACITOR
- TA TANTALUM
  - PS STYROL
  - PP POLYPROPYLENE
  - PT MYLAR
  - MPS METALIZED POLYESTER
  - MPP METALIZED POLYPROPYLENE
  - ALB BIPOLAR
  - ALT HIGH TEMPERATURE
  - ALR HIGH RIPPLE

Note:

The symbol display is on the component side.

The components identified by shading and mark are critical for safety. Replace only with part number specified

The symbol indicate fast operating fuse. Replace only with fuse of same rating as marked.

Note:

Les composants identifiés par un trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Le symbole indique une fusible à action rapide. Doit être remplacée par une fusible de même valeur, comme maque

P BOARD IC VOLTAGE LIST

| IC3301 | pin | volt |        | pin | volt |  | pin | volt |
|--------|-----|------|--------|-----|------|--|-----|------|
|        | 1   | GND  |        | 20  | 3.0  |  | 13  | NC   |
|        | 2   | NC   |        | 21  | 3.0  |  | 14  | -3.0 |
|        | 3   | GND  |        | 22  | 4.7  |  | 15  | GND  |
|        | 4   | 4.0  |        | 23  | GND  |  | 16  | GND  |
|        | 5   | 6.8  |        | 24  | 2.9  |  | 17  | 0.7  |
|        | 6   | GND  | IC3302 | IN  | 9.1  |  | 18  | 0.5  |
|        | 7   | 0.2  |        | OUT | 5.3  |  | 19  | 0.2  |
|        | 8   | 0    | IC3303 | 1   | GND  |  | 20  | 0.3  |
|        | 9   | 1.8  |        | 2   | 3.2  |  | 21  | 5.1  |
|        | 10  | 0.3  |        | 3   | 2.6  |  | 22  | 5.2  |
|        | 11  | 8.2  |        | 4   | 2.3  |  | 23  | NC   |
|        | 12  | 8.2  |        | 5   | 5.1  |  | 24  | NC   |
|        | 13  | 3.9  |        | 6   | GND  |  | 25  | GND  |
|        | 14  | 3.4  |        | 7   | 0.5  |  | 26  | NC   |
|        | 15  | 0    |        | 8   | 0    |  | 27  | GND  |
|        | 16  | 2.8  |        | 9   | 0.6  |  | 28  | 2.9  |
|        | 17  | NC   |        | 10  | 5.2  |  | 29  | 5.2  |
|        | 18  | 2.5  |        | 11  | 2.1  |  | 30  | 2.6  |
|        | 19  | 3.5  |        | 12  | 0.3  |  | 31  | 4.2  |
|        |     |      |        |     |      |  | 32  | 2.5  |

All voltages are in V

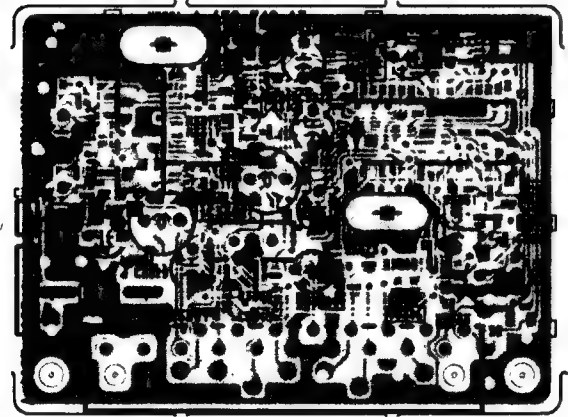
P BOARD TRANSISTOR VOLTAGE LIST

|       | B   | C   | E   |
|-------|-----|-----|-----|
| Q3301 | 5.3 | 9.1 | 4.7 |
| Q3305 | 0.5 | GND | 1.2 |
| Q3306 | 0.8 | GND | 1.4 |
| Q3307 | 0.6 | GND | 1.3 |
| Q3308 | 0   | GND | 2.8 |
| Q3310 | 0   | 5.2 | GND |
| Q3312 | 0   | 0   | 0.8 |
| Q3313 | 0.8 | 0.4 | GND |

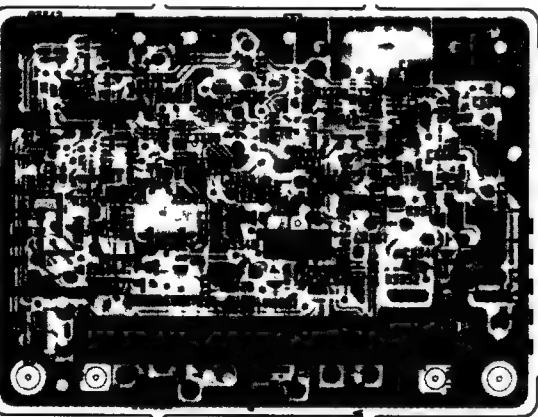
All voltages are in V

[P in P] — P BOARD —

< COMPONENT SIDE >

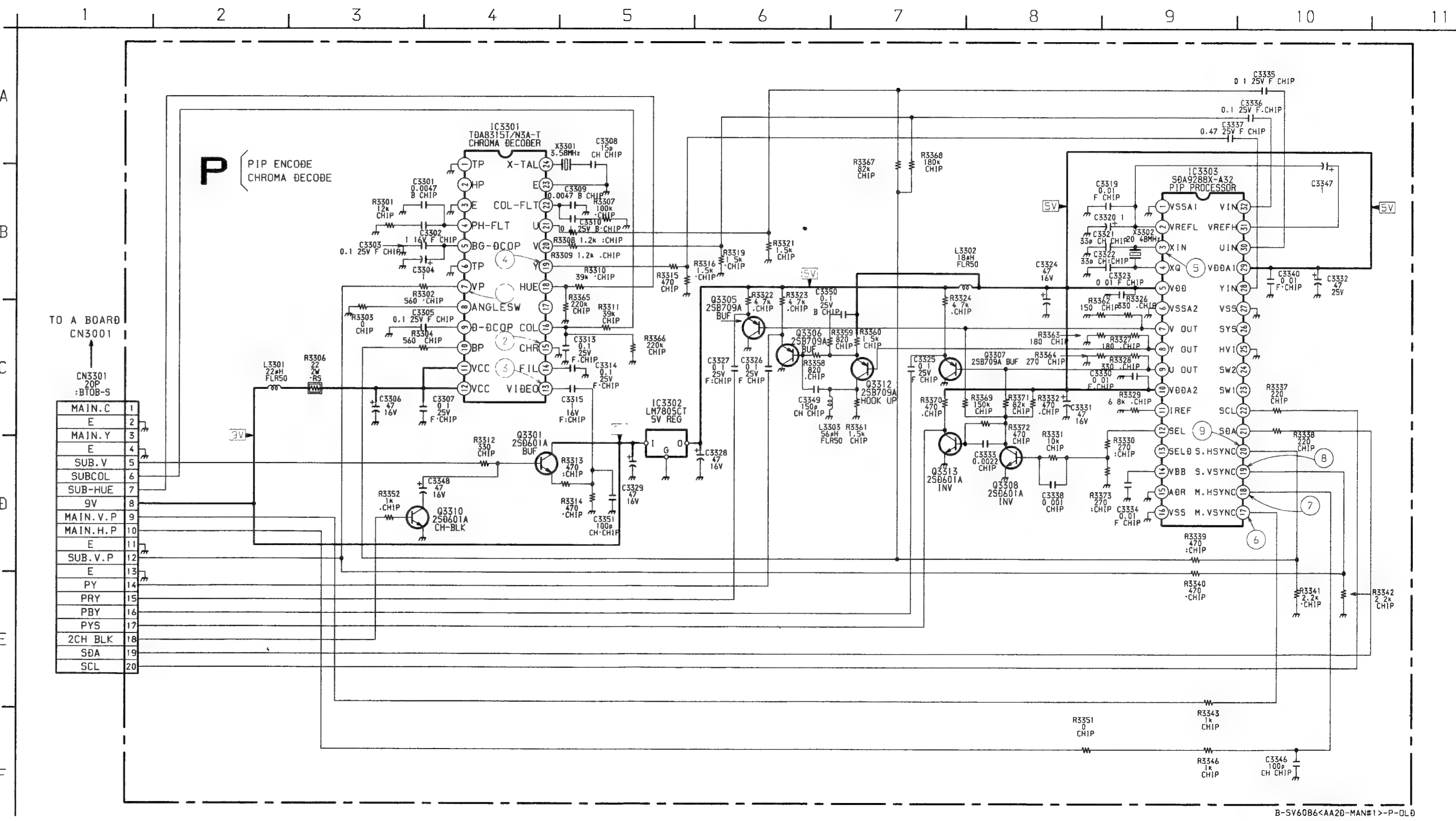
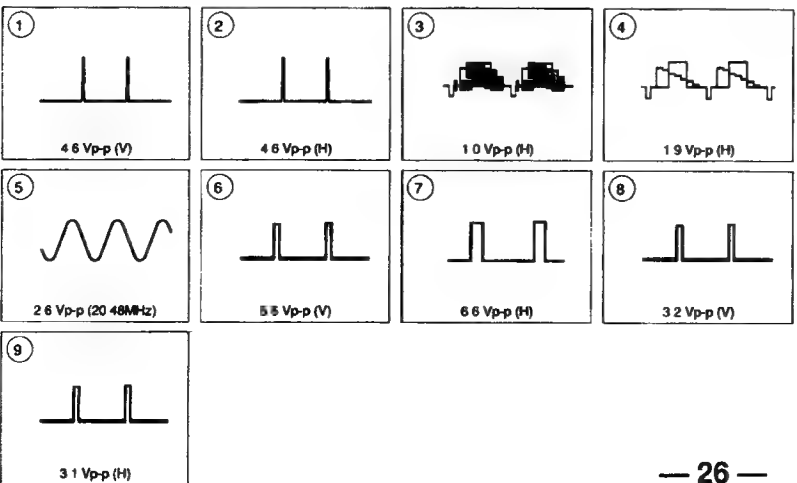


< CONDUCTOR SIDE >



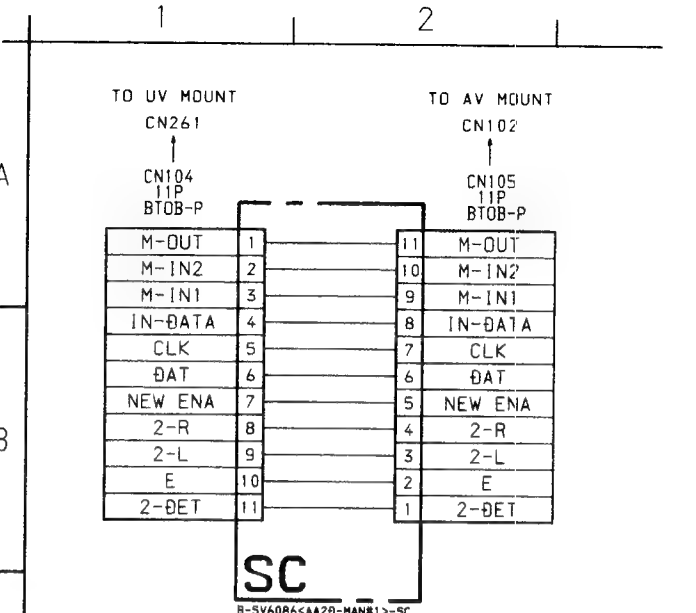
- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

P BOARD WAVEFORMS

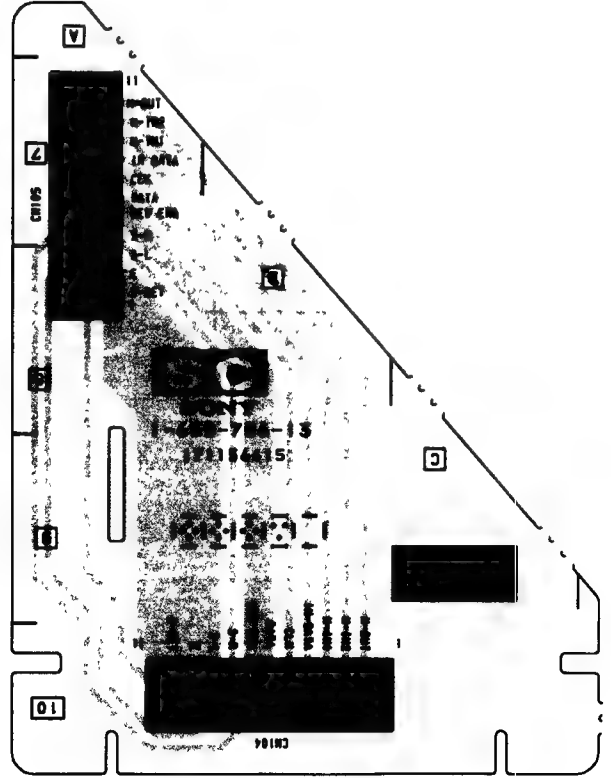


Schematic diagrams

P board A board

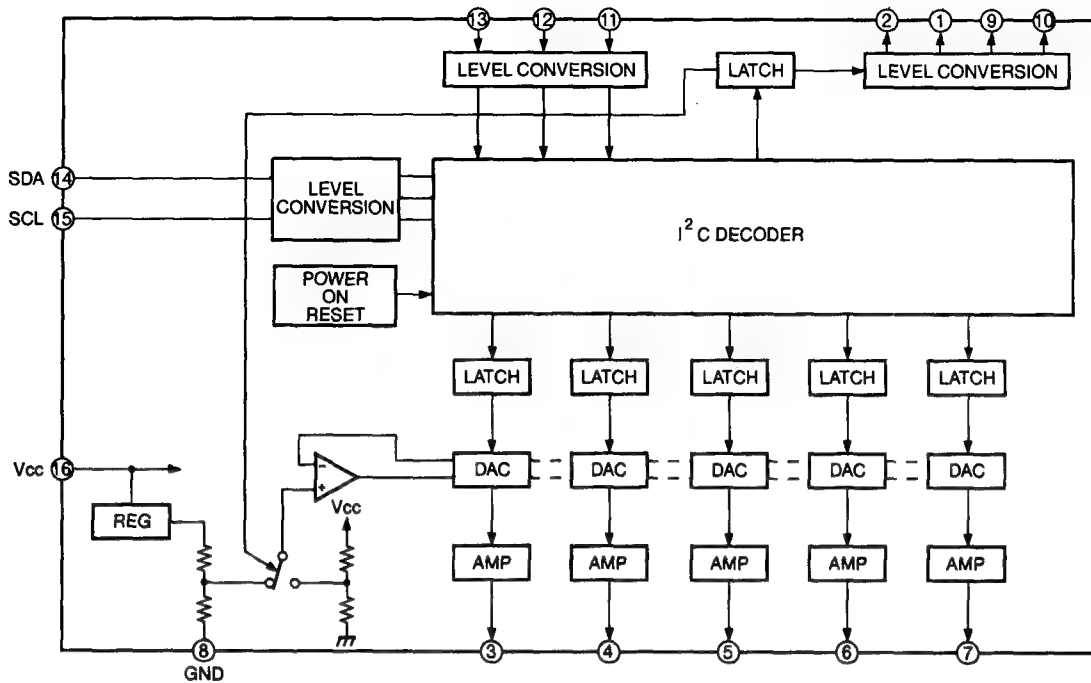


— SC BOARD —

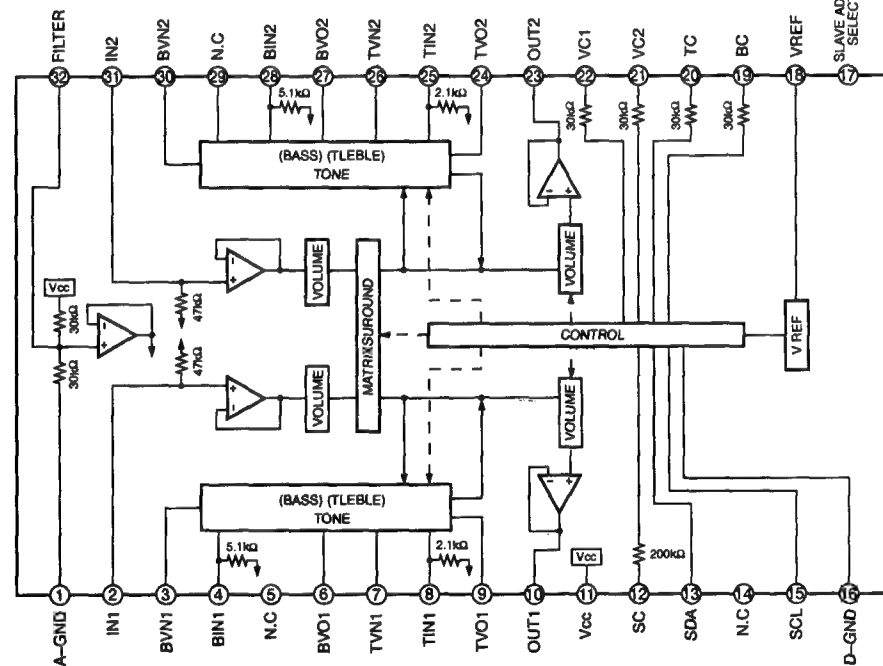




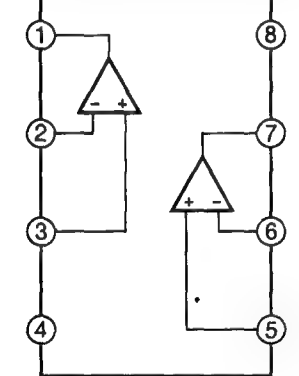
**A BOARD: IC1001 CXA1315M**



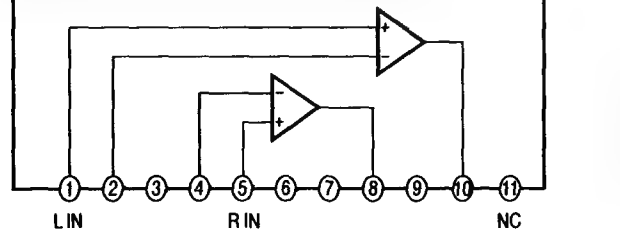
**A BOARD: IC1401 BH3856FS**



**A BOARD: IC1402 NJM4558M**



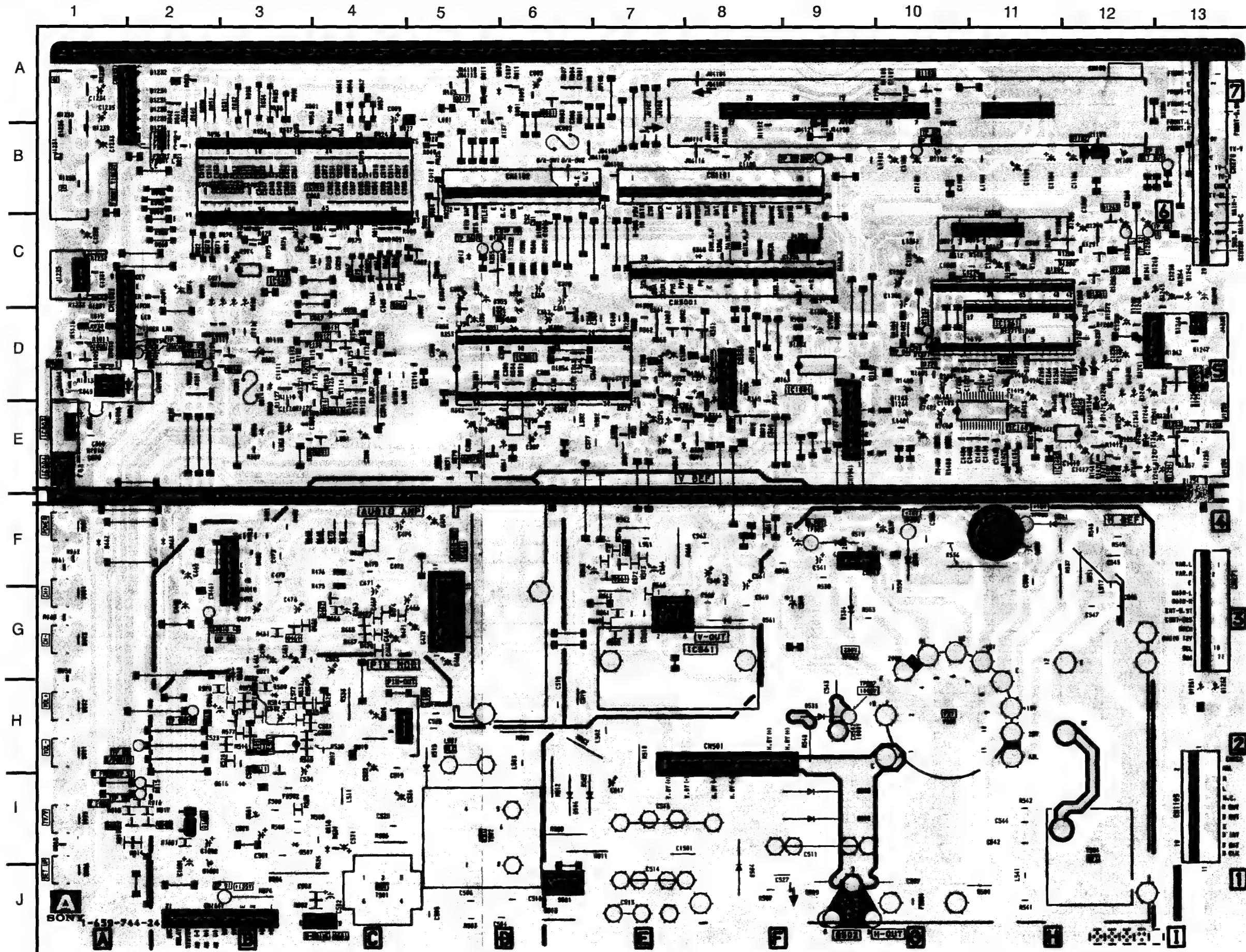
**A BOARD: IC461 TDA2009A**



**NOTE:**  
Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

**A** [TUNER, MICON, AUDIO PROCESS, Y/C/J, HV] FOR 35"

**— A BOARD (35") —**

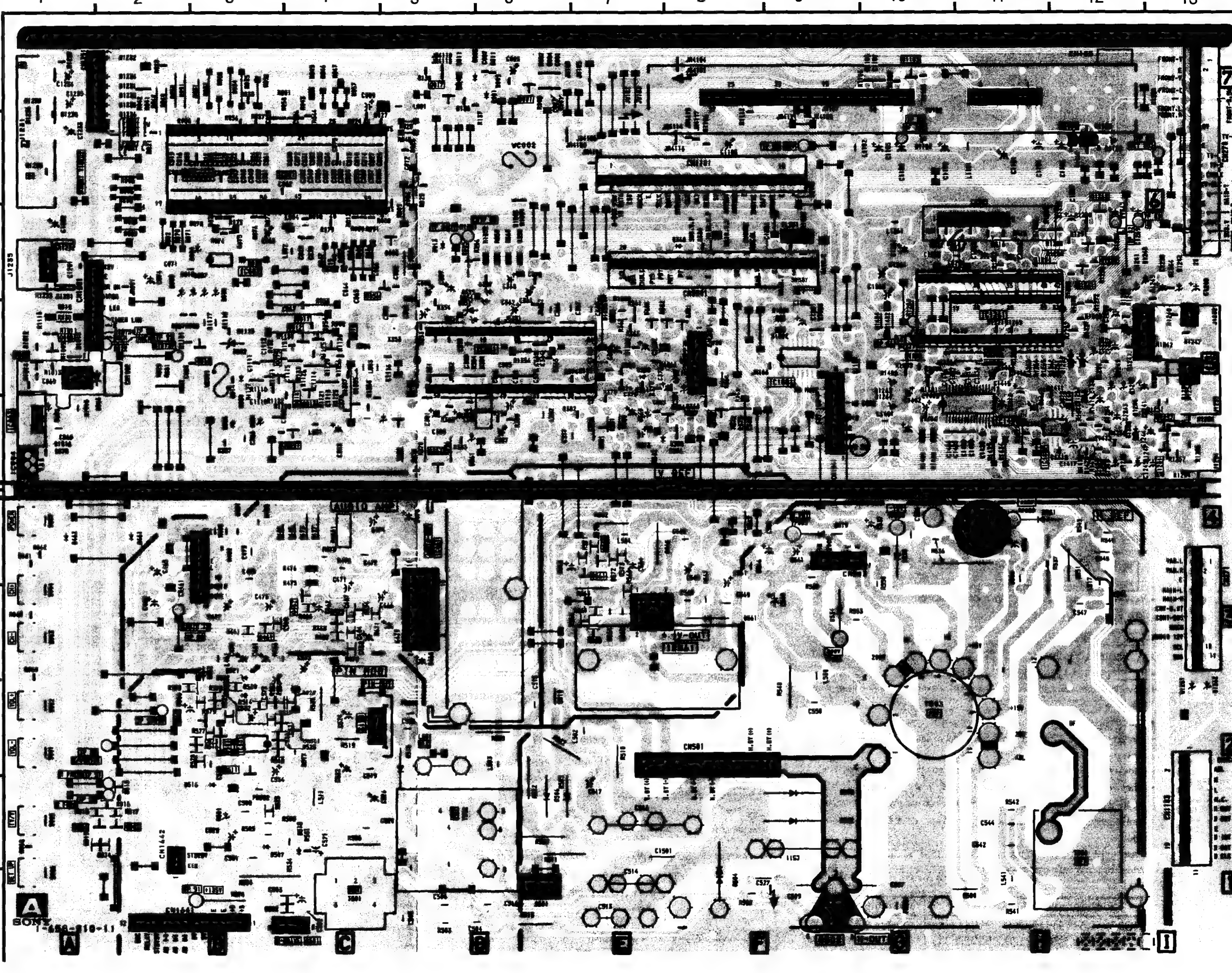


**A BOARD (35V38/37V36M/35V76)**

| DIODE      |      |
|------------|------|
| D001       | A-6  |
| D002       | D-3  |
| D003       | A-6  |
| D004       | C-3  |
| D011       | A-5  |
| D013       | C-5  |
| D014       | D-3  |
| D015       | C-4  |
| D353       | D-8  |
| D356       | E-3  |
| D360       | E-7  |
| D362       | E-8  |
| D368       | C-8  |
| D462       | F-1  |
| D501       | I-3  |
| D502       | I-9  |
| D503       | I-9  |
| D504       | J-9  |
| D505       | I-2  |
| D506       | I-8  |
| D507       | I-3  |
| D515       | H-5  |
| D516       | I-3  |
| D518       | I-4  |
| D519       | F-9  |
| D520       | H-3  |
| D521       | G-3  |
| D530       | F-10 |
| D531       | F-12 |
| D534       | G-9  |
| D535       | H-9  |
| D561       | G-8  |
| D562       | G-3  |
| D1102      | B-10 |
| D1103      | B-12 |
| D1248      | E-12 |
| D1263      | D-10 |
| D1264      | E-10 |
| IC         |      |
| IC001      | B-4  |
| IC002      | C-3  |
| IC351      | D-6  |
| IC461      | G-5  |
| IC501      | H-3  |
| IC561      | G-8  |
| IC1001     | D-9  |
| IC1401     | E-11 |
| IC1402     | E-12 |
| TRANSISTOR |      |
| Q001       | A-6  |
| Q002       | C-5  |
| Q003       | I-2  |
| Q004       | I-2  |
| Q010       | D-4  |
| Q011       | D-4  |
| Q012       | D-4  |
| Q013       | D-4  |
| Q014       | D-4  |
| Q015       | D-4  |
| Q016       | D-3  |
| Q017       | A-5  |
| Q301       | D-8  |
| Q302       | D-8  |
| Q303       | D-8  |
| Q354       | E-8  |
| Q356       | C-5  |
| Q357       | E-5  |
| Q358       | E-8  |
| Q461       | G-3  |
| Q462       | G-4  |
| Q501       | J-4  |
| Q502       | J-9  |
| Q503       | H-3  |
| Q511       | H-3  |
| Q512       | H-5  |
| Q561       | F-7  |
| Q562       | F-7  |
| Q563       | H-2  |
| Q1102      | B-12 |
| Q1103      | A-10 |
| Q1231      | E-13 |
| Q1232      | E-13 |

**A** [TUNER, MICON, AUDIO PROCESS, Y/C/J, HV] FOR 32"

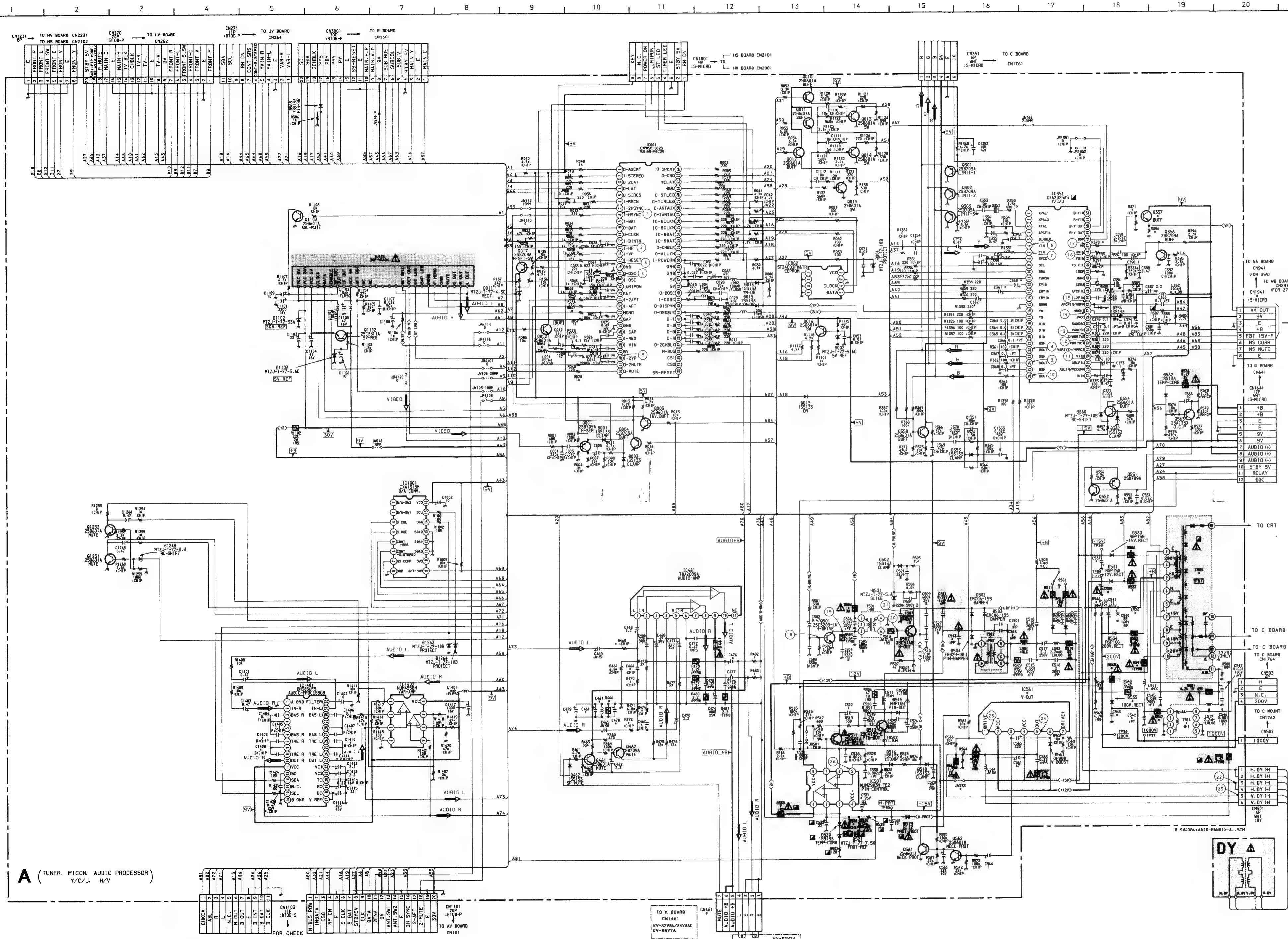
**— A BOARD (32") —**



**A BOARD (32V26/32V36/34V36C)**

| DIODE      |      |
|------------|------|
| D001       | A-6  |
| D002       | D-3  |
| D003       | A-6  |
| D004       | C-3  |
| D011       | A-5  |
| D013       | C-5  |
| D014       | D-3  |
| D015       | C-4  |
| D353       | D-7  |
| D356       | E-2  |
| D360       | E-7  |
| D362       | E-8  |
| D368       | C-8  |
| D462       | F-1  |
| D501       | I-3  |
| D502       | I-9  |
| D503       | I-9  |
| D504       | J-8  |
| D505       | I-7  |
| D506       | I-6  |
| D507       | I-3  |
| D515       | H-5  |
| D516       | I-3  |
| D518       | I-4  |
| D519       | F-9  |
| D520       | H-3  |
| D521       | H-3  |
| D530       | F-10 |
| D531       | F-12 |
| D534       | G-9  |
| D561       | G-8  |
| D562       | G-3  |
| D1102      | B-10 |
| D1103      | B-12 |
| D1248      | E-12 |
| D1263      | D-10 |
| D1264      | E-10 |
| IC         |      |
| IC001      | B-4  |
| IC002      | C-3  |
| IC351      | D-6  |
| IC461      | F-5  |
| IC501      | H-3  |
| IC561      | G-8  |
| IC1001     | D-9  |
| IC1401     | E-11 |
| IC1402     | E-12 |
| TRANSISTOR |      |
| Q001       | A-5  |
| Q002       | C-5  |
| Q003       | I-2  |
| Q004       | I-2  |
| Q010       | D-4  |
| Q011       | D-4  |
| Q012       | D-4  |
| Q013       | D-4  |
| Q014       | D-4  |
| Q015       | D-4  |
| Q016       | D-3  |
| Q017       | A-5  |
| Q301       | D-8  |
| Q302       | D-8  |
| Q303       | D-7  |
| Q354       | E-8  |
| Q356       | C-5  |
| Q357       | C-5  |
| Q358       | E-8  |
| Q461       | G-3  |
| Q462       | G-4  |
| Q501       | J-4  |
| Q502       | J-9  |
| Q503       | H-3  |
| Q511       | I-3  |
| Q512       | H-4  |
| Q561       | F-7  |
| Q562       | F-7  |
| Q563       | H-2  |
| Q1102      | B-12 |
| Q1103      | A-10 |
| Q1231      | E-13 |
| Q1232      | E-13 |





**A BOARD MARK LIST**

|        | KV-32V26 | KV-32V36/34V36C | KV-35V36/37V36M | KV-35V76 |
|--------|----------|-----------------|-----------------|----------|
| C461   | 10       | 33/25V          | 10              | 10       |
| C464   | #        | 0.0047          | #               | #        |
| C467   | #        | 0.0047          | #               | #        |
| C476   | 1000/25V | JW (S)          | 1000/25V        | JW (S)   |
| C477   | 1000/25V | JW (S)          | 1000/25V        | JW (S)   |
| C478   | #        | 220/16V         | 22              | 220 16V  |
| C479   | #        | #               | 2.2             | 10       |
| C513   | 056/400V | 056/400V        | 033/630V        | 033/630V |
| C514   | 82/200V  | 82/200V         | 82/200V         | 82/200V  |
| C537   | 470/25V  | 470/25V         | 1000/25V        | 1000/25V |
| C539   | 470/16V  | 470/16V         | 1000/25V        | 1000/25V |
| C542   | #        | #               | 047/200V        | 047/200V |
| C543   | #        | #               | 220p/2kV        | 220p/2kV |
| C571   | 4.7      | 4.7             | #               | 7P       |
| C1408  | 0.022    | 0.033           | 0.022           | 0.022    |
| C1409  | 0.022    | 0.033           | 0.022           | 0.022    |
| C1410  | 0.022    | 0.033           | 0.022           | 0.022    |
| C1411  | 0.022    | 0.033           | 0.022           | 0.022    |
| C1501  | 12/200V  | 12/200V         | #               | 7P       |
| CN461  | 4P       | 7P              | 4P              | 7P       |
| CN502  | #        | #               | 1P              | 1P       |
| CN1941 | #        | 5P              | 8P              | 8P       |
| D535   | #        | #               | RG02-17         | RG02-17  |
| IC561  | TDAB172  | TDAB172         | STV9379         | STV9379  |
| JW233  | 12.5MM   | 12.5MM          | #               | #        |
| JW246  | 5MM      | 5MM             | #               | #        |
| L461   | 15uH     | 56uH            | 220uH           | 180uH    |
| L530   | JW(S)    | JW(S)           | #               | #        |
| L541   | #        | #               | 10mH            | 10mH     |
| Q357   | #        | 2SD601A         | 2SD601A         | 2SD601A  |
| R370   | #        | 1k              | 1k              | 1k       |
| R371   | #        | 1.5k            | 1.5k            | 1.5k     |
| R396   | #        | 1k              | 1k              | 1k       |
| R455   | 2.2k     | 2.2             | #               | #        |
| R469   | 1.8k     | 5.6k            | 2.2k            | 5.6k     |
| R470   | #        | 15k             | #               | #        |
| R472   | 1.8k     | 5.6k            | 2.2k            | 5.6k     |
| R474   | #        | 15k             | #               | #        |
| R482   | 2.2k     | #               | 2.2k            | #        |
| R483   | #        | 2.2k            | #               | #        |
| R511   | 68/2W    | 68/2W           | 100/2W          | 100/2W   |
| R523   | 10k      | 10k             | 8.2k            | 8.2k     |
| R529   | 22k      | 22k             | 18k             | 18k      |
| R531   | 68k      | 68k             | 220k            | 220k     |
| R533   | 47k      | 33k             | 33k             | 33k      |
| R536   | 47/5W    | 47/5W           | 4.7/3W          | 4.7/3W   |
| R537   | 47/5W    | 47/5W           | 18/3W           | 18/3W    |
| R541   | #        | #               | 0.47            | 0.47     |
| R542   | #        | #               | 22              | 22       |
| R548   | 22k      | 22k             | 1.8k            | 1.8k     |
| R548   | #        | #               | 3.3k/1W         | 3.3k/1W  |
| T502   | 400UH    | 400UH           | 500UH           | 500UH    |
| T503   | NX-A2609 | NX-A2609        | NX-3001         | NX-3001  |
| T504   | #        | DFT             | DFT             | DFT      |

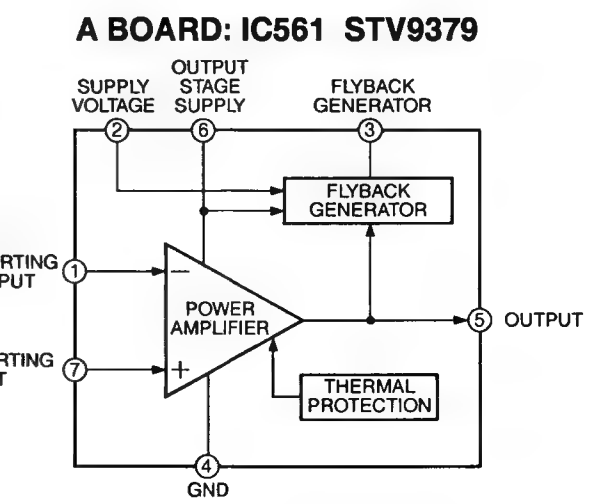
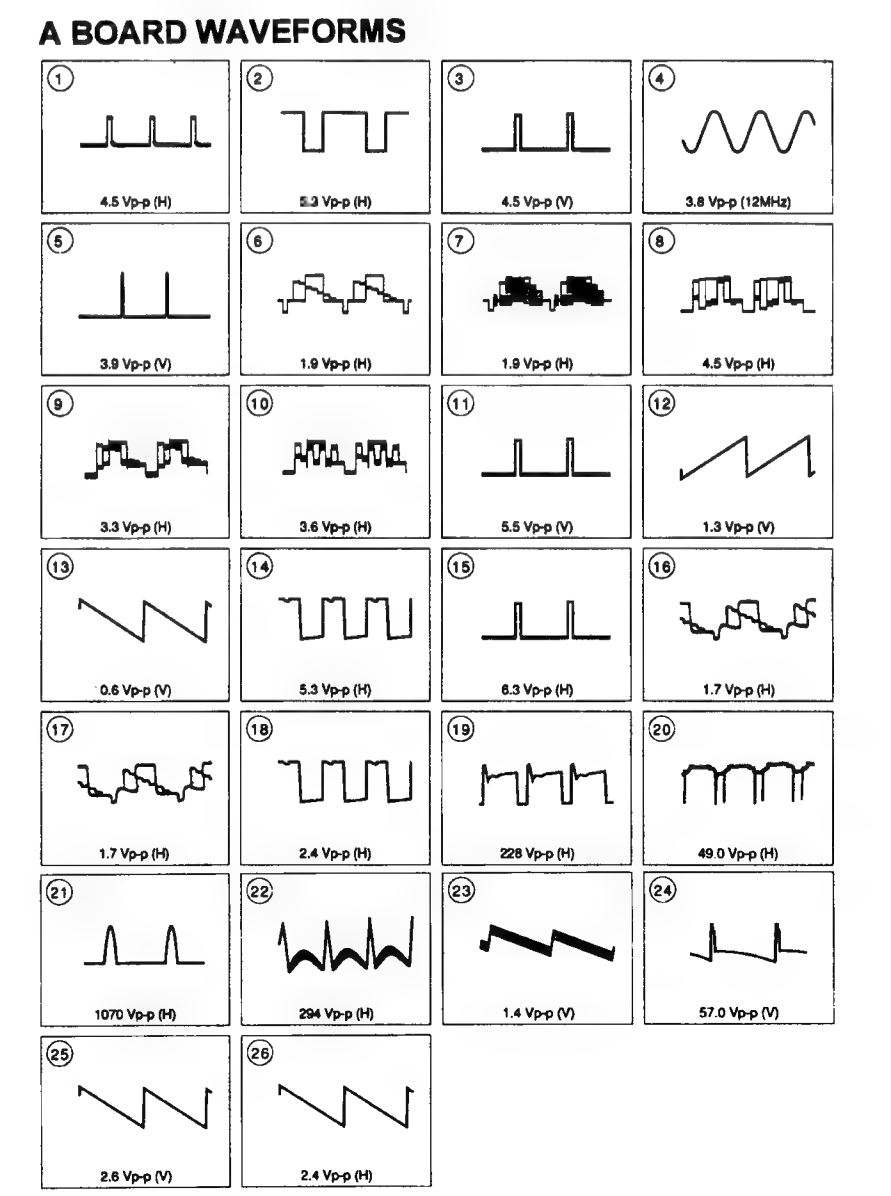
# NOT MOUNTED

| A BOARD IC VOLTAGE LIST |     |      |    |       |      |       |      |      |
|-------------------------|-----|------|----|-------|------|-------|------|------|
|                         | pin | volt |    | pin   | volt |       | pin  | volt |
| IC001                   | 1   | 0    |    | 52    | 0    |       | 31   | 3.1  |
|                         | 2   | 0    |    | 53    | 4.9  |       | 32   | 3.2  |
|                         | 3   | 0    |    | 54    | 4.9  |       | 33   | 3.7  |
|                         | 4   | 0    |    | 55    | 4.9  |       | 34   | 4.5  |
|                         | 5   | 0    |    | 56    | 5.0  |       | 35   | 4.8  |
|                         | 6   | 5.0  |    | 57    | 5.0  |       | 36   | 8.7  |
|                         | 7   | 0    |    | 58    | 0    |       | 37   | 3.4  |
|                         | 8   | 0    |    | 59    | 3.7  |       | 38   | 3.6  |
|                         | 9   | 0.8  |    | 60    | 0.5  |       | 39   | 4.1  |
|                         | 10  | 0    |    | 61    | 0    |       | 40   | 4.3  |
| IC002                   | 11  | 0    |    | 62    | 4.8  |       | 41   | 2.5  |
|                         | 12  | 5    |    | 63    | 0    |       | 42   | GND  |
|                         | 13  | 4.2  |    | 64    | 4.8  |       | 43   | 2.8  |
|                         | 14  | 1.3  |    | 1 GND |      |       | 44   | 2.8  |
|                         | 15  | 5    |    | 2 GND |      |       | 45   | 4.1  |
|                         | 16  | GND  |    | 3 GND |      |       | 46   | 3.3  |
|                         | 17  | 2.6  |    | 4 GND |      |       | 47   | 6.0  |
|                         | 18  | *    |    | 5     | 5.0  |       | 48   | 0.4  |
|                         | 19  | 3.1  |    | 6     | 5.0  |       | 49   | 0    |
|                         | 20  | 5    |    | 7     | GND  |       | 50   | 0    |
| IC351                   | 21  | 2    |    | 8     | 5.0  | IC461 | 51   | 0    |
|                         | 22  | 2    |    | 1 NC  |      |       | 52   | 3.5  |
|                         | 23  | 0    |    | 2 NC  |      | 53    | 12.2 |      |
|                         | 24  | 0    |    | 3     | 2.2  |       | 54   | 3.5  |
|                         | 25  | GND  |    | 4     | 5.9  |       | 55   | 1.5  |
|                         | 26  | 0    |    | 5     | 4.1  |       | 56   | 0    |
|                         | 27  | 1.6  |    | 6     | 4.6  |       | 57   | 0    |
|                         | 28  | 5    |    | 7     | 4.3  |       | 58   | 0.3  |
|                         | 29  | 0.2  |    | 8     | 9.2  |       | 59   | 2.2  |
|                         | 30  | 0    |    | 9     | 5.2  |       | 60   | 0.3  |
| IC501                   | 31  | 0    |    | 10    | 5.2  |       | 61   | 0    |
|                         | 32  | 0    |    | 11    | 0.3  |       | 62   | 1.4  |
|                         | 33  | 0    |    | 12    | 6.6  |       | 63   | 7.9  |
|                         | 34  | 0    |    | 13    | 6.3  |       | 64   | 8.3  |
|                         | 35  | 0    |    | 14    | 6.3  |       | 65   | 16.5 |
|                         | 36  | 0    |    | 15    | GND  |       | 66   | 5.3  |
|                         | 37  | 0    |    | 16    | 0    |       | 67   | 2.8  |
|                         | 38  | 0    |    | 17    | 0    |       | 68   | 16.3 |
|                         | 39  | 0    |    | 18    | 5.2  |       | 69   | 12.6 |
|                         | 40  | 0    |    | 19    | 5.2  | IC561 | 70   | 1.6  |
| 41                      | 0   |      | 20 | 5.2   |      |       | 71   | 12.6 |
| IC1001                  | 42  | 0    |    | 21    | 4.0  |       | 72   | 14.5 |
|                         | 43  | 0    |    | 22    | 2.2  |       | 73   | 16.6 |
|                         | 44  | 3.0  |    | 23    | 5.1  |       | 74   | 19.4 |
|                         | 45  | 3.0  |    | 24    | 5.1  |       | 75   | 19.4 |
|                         | 46  | 5.0  |    | 25    | 4.5  |       | 76   | 1.6  |
|                         | 47  | 5.0  |    | 26    | 2.3  |       | 77   | 0.0  |
|                         | 48  | GND  |    | 27    | 4.7  |       | 78   | 0.0  |
|                         | 49  | GND  |    | 28    | 1.7  |       | 79   | 0.0  |
|                         | 50  | 5.0  |    | 29    | 6.8  |       | 80   | 4.2  |
|                         | 51  | 0    |    | 30    | 0.7  |       | 81   | 0.5  |

**A BOARD TRANSISTOR VOLTAGE LIST**

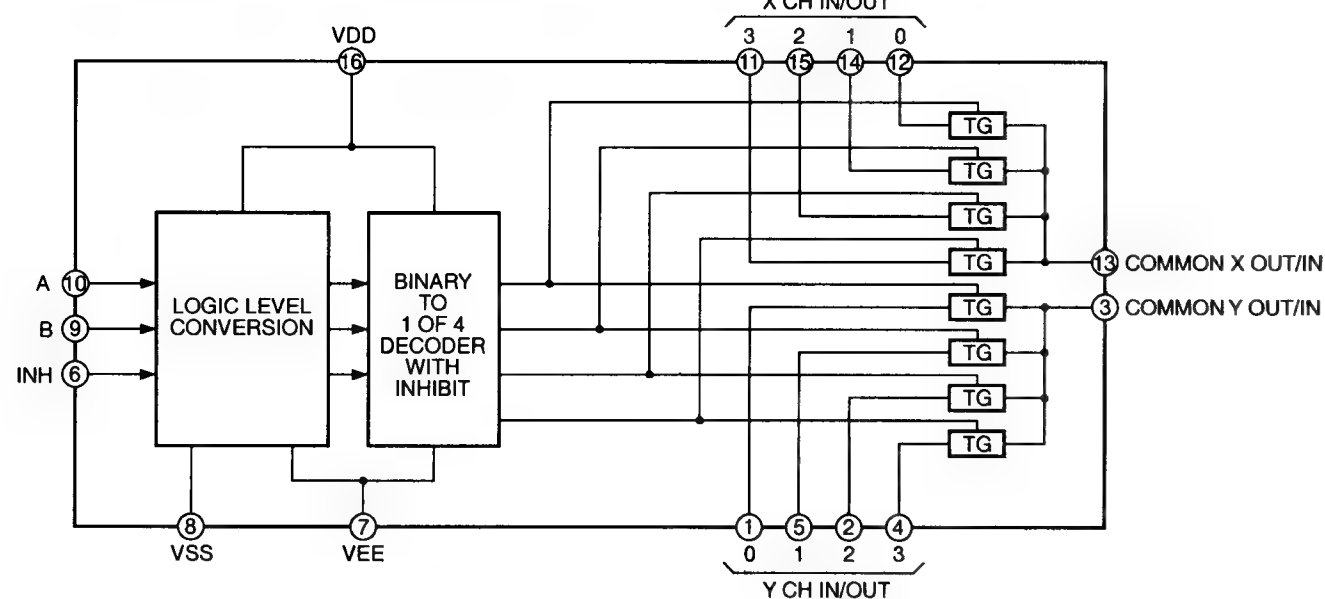
|       | B     | C     | E     |
|-------|-------|-------|-------|
| Q001  | 5.2   | 0.9   | 5.0   |
| Q002  | 4.8   | 5.0   | 4.1   |
| Q003  | -0.4  | 4.2   | GND   |
| Q004  | 0.8   | GND   | 1.3   |
| Q010  | 0     | 8.7   | 0     |
| Q011  | 0     | 8.7   | 0     |
| Q012  | 0     | 8.7   | 0     |
| Q013  | -0.2  | 0     | GND   |
| Q014  | -0.2  | 0     | GND   |
| Q015  | -0.2  | 0     | GND   |
| Q016  | 5.8   | 8.7   | 5.1   |
| Q017  | 4.4   | 5.0   | 5.0   |
| Q301  | 4.0   | GND   | 2.2   |
| Q302  | 4.0   | GND   | 1.8   |
| Q303  | 4.0   | GND   | 2.0   |
| Q354  | 0.2   | GND   | -0.5  |
| Q355  | 4.9   | GND   | 5.8   |
| Q357  | 3.6   | 8.7   | 0     |
| Q358  | 1.9   | 8.7   | 2.0   |
| Q461  | 0.8   | 0     | 0     |
| Q462  | 20.0  | 20.6  | 20.7  |
| Q501  | -0.7  | 105.6 | GND   |
| Q502  | -0.4  | 136.1 | 0     |
| Q503  | 0     | 8.3   | GND   |
| Q511  | -16.3 | -13.0 | -16.5 |
| Q512  | -16.9 | -9.1  | -16   |
| Q563  | 134.3 | 0.4   | 134.9 |
| Q1102 | 6.0   | 9.2   | 5.3   |
| Q1103 | 0     | 2.5   | GND   |
| Q1231 | 0     | 0     | GND   |
| Q1232 | 0     | 0     | GND   |

All voltages are in V

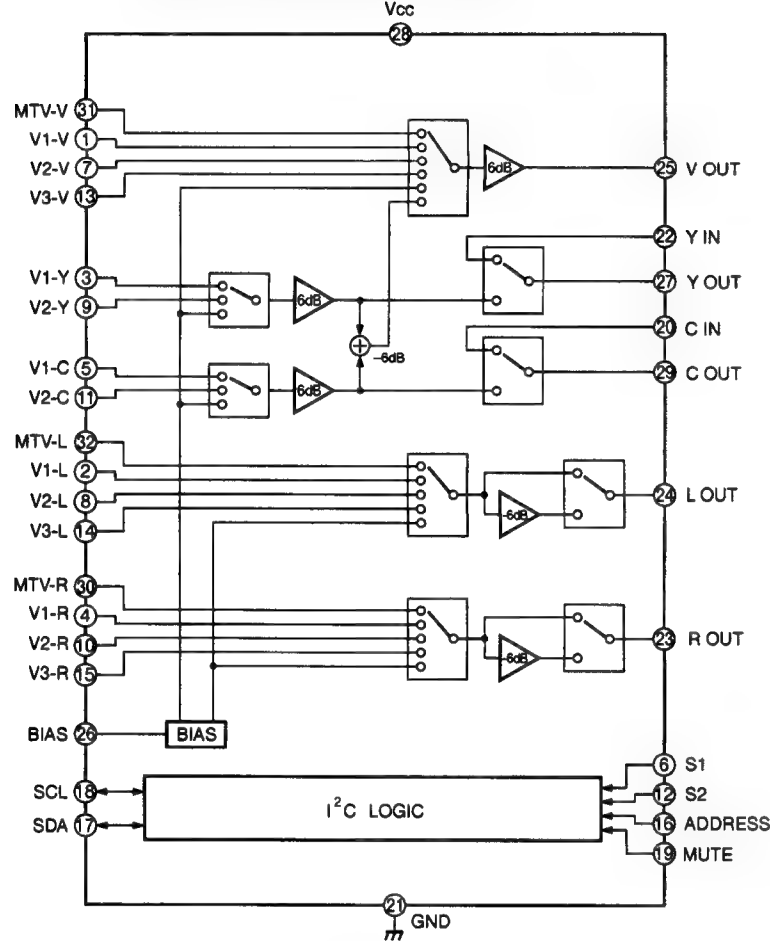




UV BOARD: IC154 CD4052BCN



UV BOARD IC261MM1311AD



UV BOARD\* MARK LIST

|       | 32V26        | 35V36/37V36M | 34V36C/32V36/35V76 |
|-------|--------------|--------------|--------------------|
| C245  | #            | #            | 470 25V            |
| C246  | #            | #            | 0 47               |
| C247  | #            | #            | 0 47               |
| C261  | #            | 0 047 MPS    | 0 047 MPS          |
| C266  | #            | 1            | 1                  |
| C267  | #            | 1            | 1                  |
| C302  | #            | 470 16V      | 470 16V            |
| CM301 | 1-467-554-21 | #            | #                  |
| CM302 | #            | 1-467-656-11 | 1-467-656-11       |
| D239  | #            | #            | MTZJ-T-77-3 3      |
| D245  | #            | #            | MTZJ-T-77-3 3      |
| D246  | #            | #            | MTZJ-T-77-3 3      |
| J235  | #            | #            | 1-750-517-11 3P    |
| Q232  | #            | #            | 2SD601A            |
| Q235  | #            | #            | 2SD601A            |
| Q236  | #            | #            | 2SD601A            |
| Q240  | #            | #            | 2SB709A            |
| Q241  | #            | #            | 2SB709A            |
| Q242  | #            | #            | 2SB709A            |
| Q261  | #            | 2SD601A      | 2SD601A            |
| R206  | #            | 1k           | 1k                 |
| R207  | #            | #            | 0                  |
| R208  | #            | #            | 1k                 |
| R209  | #            | #            | 6 8k               |
| R210  | #            | #            | 6 8k               |
| R219  | #            | #            | 4 7k               |
| R220  | #            | #            | 4 7k               |
| R221  | #            | #            | 470                |
| R222  | #            | #            | 100                |
| R223  | #            | #            | 2400 00.00         |
| R224  | #            | #            | 100                |
| R252  | #            | #            | 56                 |
| R253  | #            | #            | 470k               |
| R254  | #            | #            | 470k               |
| R255  | #            | #            | 470k               |
| R258  | #            | #            | 6 8k               |
| R266  | #            | 560          | 560                |
| R267  | #            | 680          | 680                |
| R275  | #            | 4 7k         | 4 7k               |
| R276  | #            | 4 7k         | 4 7k               |
| R278  | #            | 470          | 470                |

# NOT MOUNTED

UV BOARD  
TRANSISTOR VOLTAGE LIST

|      | B   | C   | E   |
|------|-----|-----|-----|
| Q231 | 0   | 5.7 | GND |
| Q232 | 0.2 | 4.9 | GND |
| Q233 | 0   | 0   | GND |
| Q234 | 0   | 0   | GND |
| Q235 | 0   | 0   | GND |
| Q236 | 0   | 0   | GND |
| Q237 | 5.0 | GND | 5.7 |
| Q238 | 4.1 | GND | 4.7 |
| Q239 | 4.1 | GND | 4.7 |
| Q240 | 4.4 | GND | 5.0 |
| Q241 | 4.4 | GND | 5.0 |
| Q242 | 4.3 | GND | 4.9 |
| Q243 | 0.2 | GND | 0.9 |
| Q261 | 4.6 | 8.7 | 4.0 |
| Q262 | 4.9 | 5.7 | 4.2 |
| Q263 | 3.4 | GND | 4.1 |
| Q265 | 4.3 | GND | 4.9 |

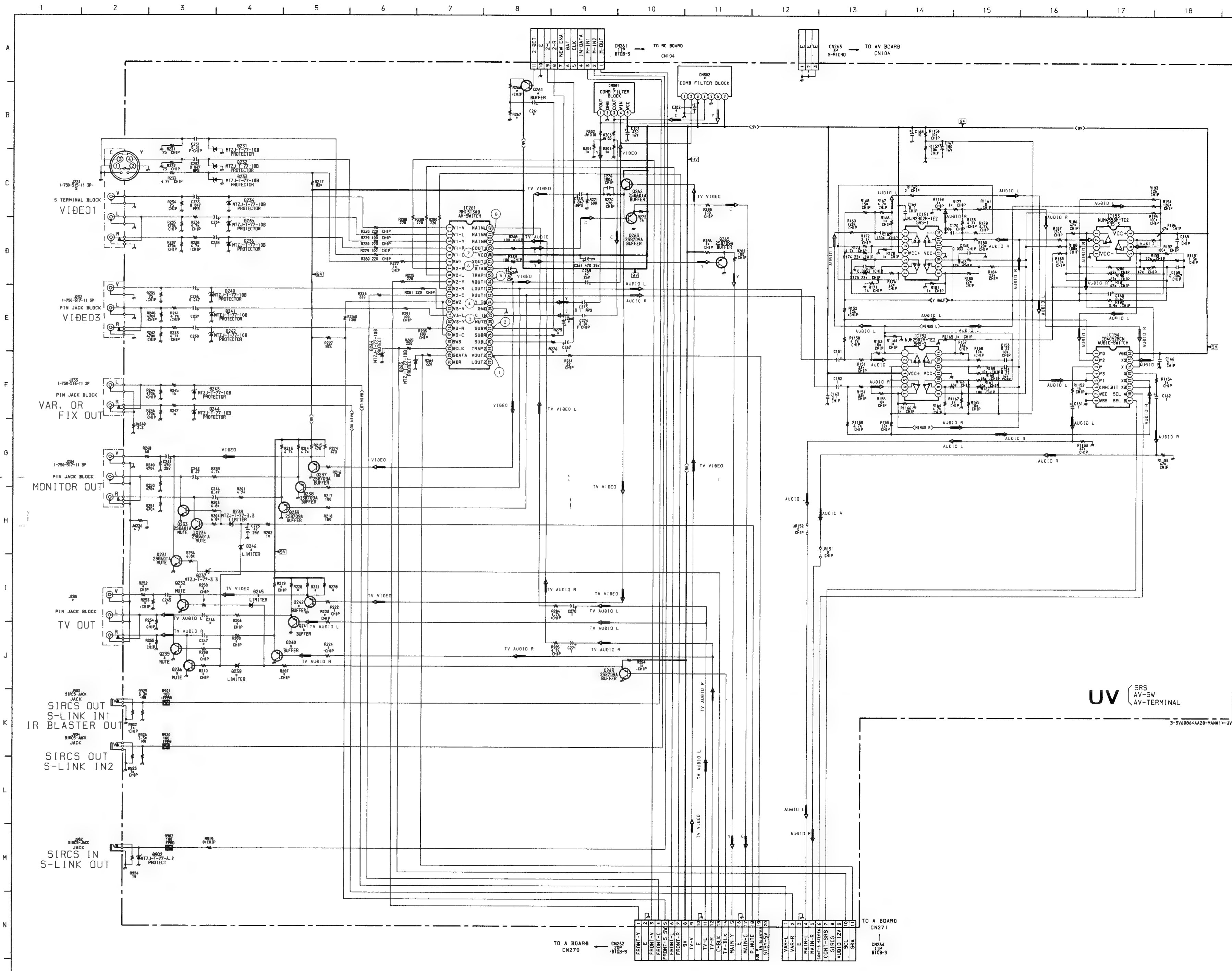
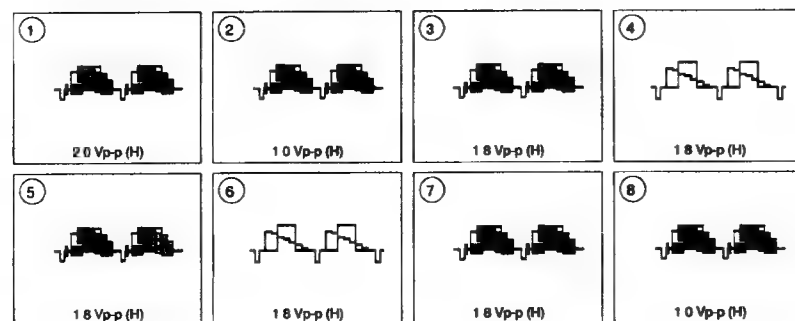
All voltages are in V

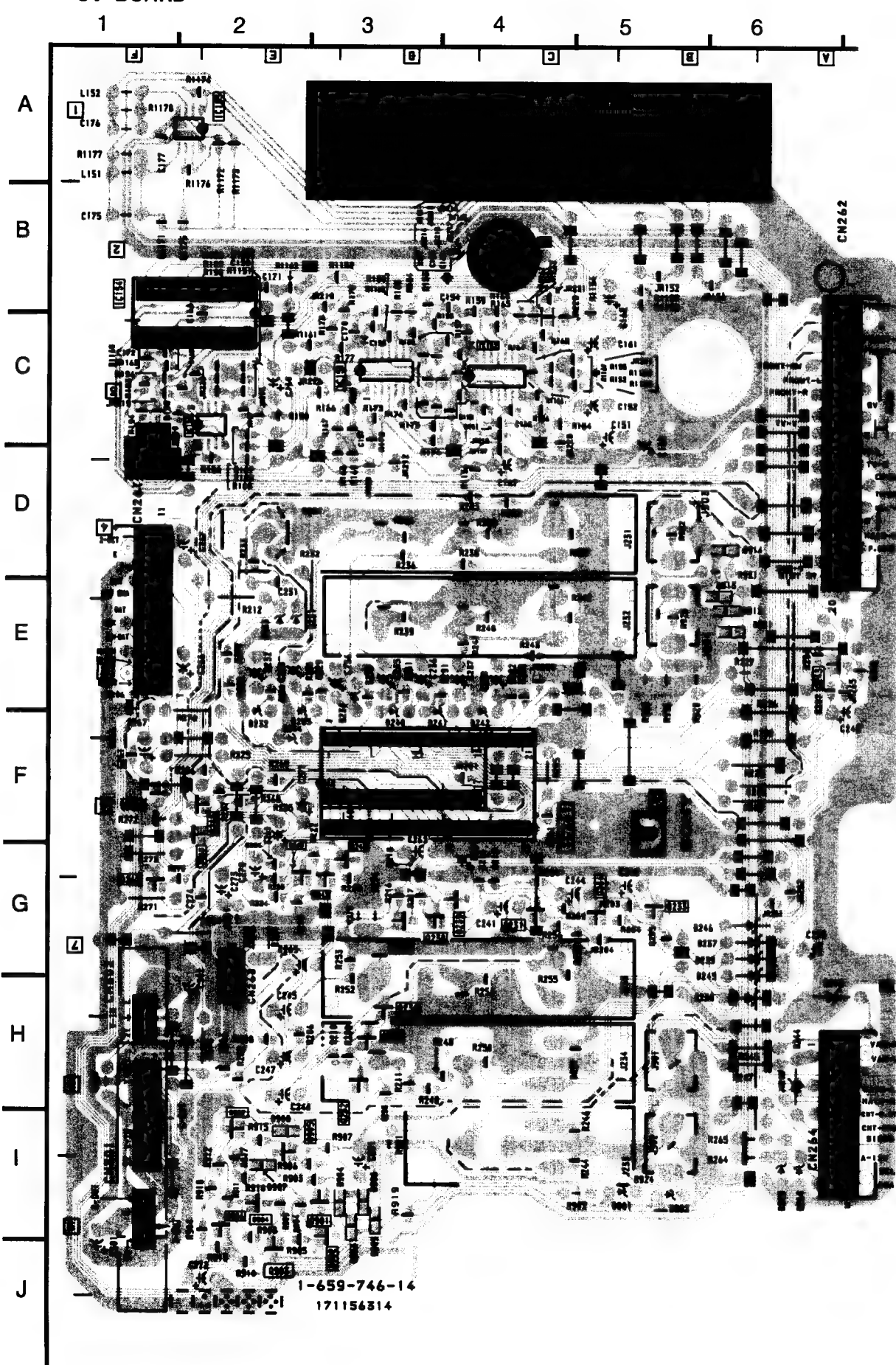
UV BOARD IC VOLTAGE LIST

| IC151 | pin | volt | pin | volt |
|-------|-----|------|-----|------|
|       | 1   | 4.4  | 12  | 4.4  |
|       | 2   | 4.4  | 13  | 4.4  |
|       | 3   | 4.4  | 14  | 4.4  |
|       | 4   | 5.7  | 15  | 4.4  |
|       | 5   | 4.4  | 16  | 8.7  |
|       | 6   | 4.4  | 1   | 4.8  |
|       | 7   | 4.4  | 2   | 4.2  |
|       | 8   | 4.4  | 3   | 4.8  |
|       | 9   | 4.4  | 4   | 4.2  |
|       | 10  | 4.4  | 5   | 4.8  |
|       | 11  | GND  | 6   | 4.5  |
|       | 12  | 4.4  | 7   | 4.8  |
|       | 13  | 4.4  | 8   | 4.2  |
|       | 14  | 4.4  | 9   | 4.8  |
|       | 1   | 4.4  | 10  | 4.2  |
|       | 2   | 4.4  | 11  | 4.9  |
|       | 3   | 4.4  | 12  | 5.8  |
|       | 4   | 8.7  | 13  | 4.8  |
|       | 5   | 4.4  | 14  | 4.2  |
|       | 6   | 4.4  | 15  | 0    |
|       | 7   | 4.4  | 16  | 4.2  |
|       | 8   | 4.4  | 17  | 5.8  |
|       | 9   | 4.4  | 18  | NC   |
|       | 10  | 4.4  | 19  | 5.0  |
|       | 11  | GND  | 20  | 4.9  |
|       | 12  | 4.4  | 21  | GND  |
|       | 13  | 4.4  | 22  | NC   |
|       | 14  | 4.4  | 23  | 6.7  |
|       | 1   | 4.4  | 24  | NC   |
|       | 2   | 4.4  | 25  | 4.2  |
|       | 3   | 4.4  | 26  | 4.2  |
|       | 4   | GND  | 27  | 6.1  |
|       | 5   | 4.4  | 28  | NC   |
|       | 6   | 4.4  | 29  | 4.8  |
|       | 7   | 4.4  | 30  | GND  |
|       | 8   | GND  | 31  | 5.6  |
|       | 1   | 4.4  | 32  | 4.1  |
|       | 2   | 4.4  | 33  | 4.1  |
|       | 3   | 4.4  | 34  | 5.0  |
|       | 4   | 4.4  | 35  | NC   |
|       | 5   | 4.4  | 36  | 4.2  |
|       | 6   | GND  | 37  | 4.3  |
|       | 7   | GND  | 38  | 8.7  |
|       | 8   | GND  | 39  | 3.4  |
|       | 9   | 0.5  | 40  | 4.2  |
|       | 10  | 0.5  | 41  | 5.2  |
|       | 11  | 4.4  | 42  | 4.2  |

All voltages are in V

UV BOARD WAVEFORMS



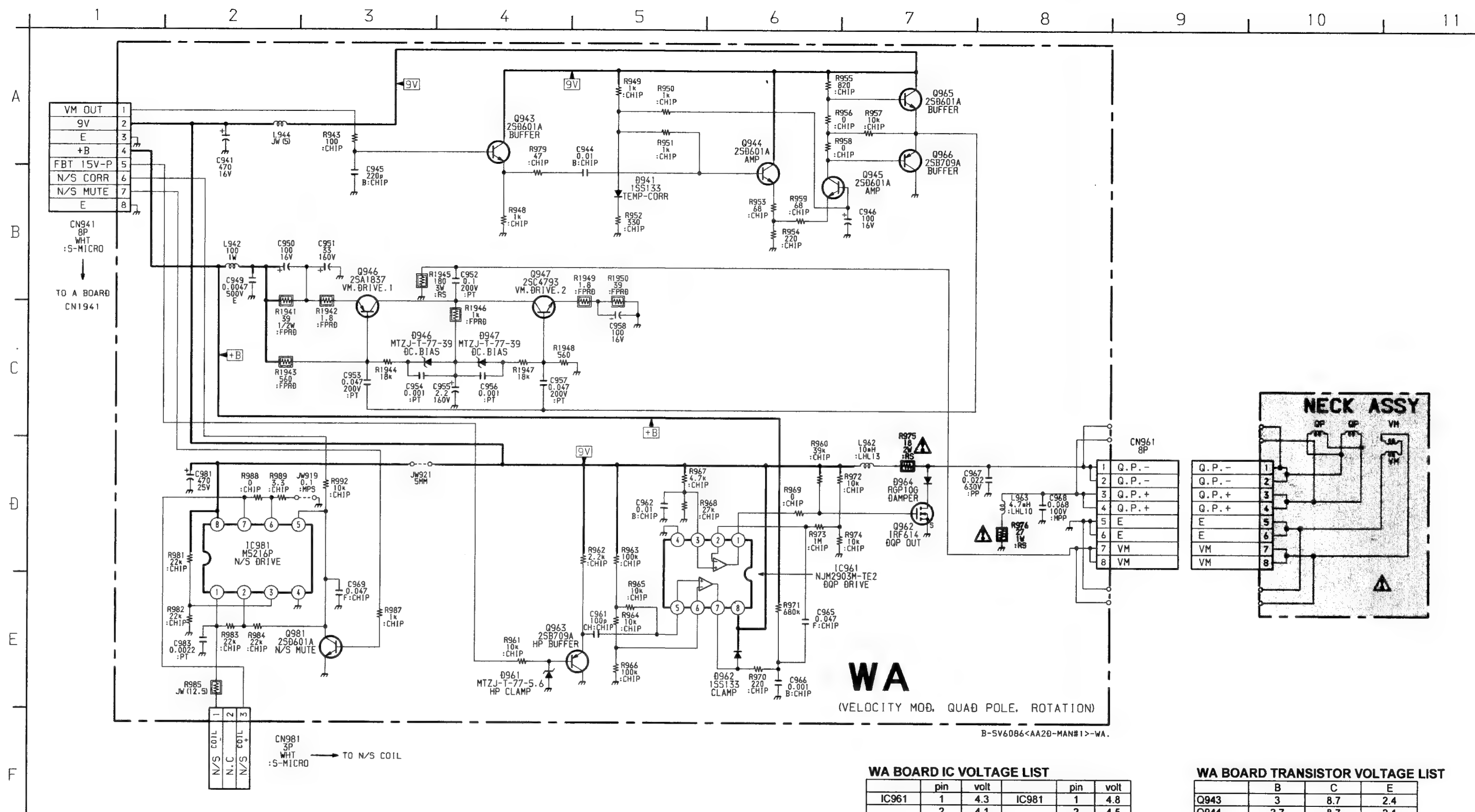


**UV BOARD**

| DIODE |     |
|-------|-----|
| D231  | E-2 |
| D232  | E-2 |
| D233  | E-2 |
| D234  | F-2 |
| D235  | E-2 |
| D236  | E-3 |
| D237  | G-6 |
| D238  | G-6 |
| D239  | G-6 |
| D240  | E-3 |
| D241  | E-3 |
| D242  | E-4 |
| D243  | G-6 |
| D244  | H-6 |
| D245  | G-6 |
| D246  | G-6 |
| D264  | I-6 |
| D265  | I-6 |
| D902  | I-5 |
| D909  | E-5 |
| D910  | E-5 |

| IC    |     |
|-------|-----|
| IC151 | C-3 |
| IC152 | C-4 |
| IC153 | C-2 |
| IC154 | C-2 |
| IC261 | F-4 |

| TRANSISTOR |     |
|------------|-----|
| Q231       | G-4 |
| Q232       | H-3 |
| Q233       | G-5 |
| Q234       | G-5 |
| Q235       | H-3 |
| Q236       | H-3 |
| Q237       | G-3 |
| Q238       | G-3 |
| Q239       | G-4 |
| Q240       | G-2 |
| Q241       | G-3 |
| Q242       | G-3 |
| Q243       | E-6 |
| Q261       | F-1 |
| Q262       | G-1 |
| Q263       | F-2 |
| Q265       | F-2 |



### WA BOARD IC VOLTAGE LIST

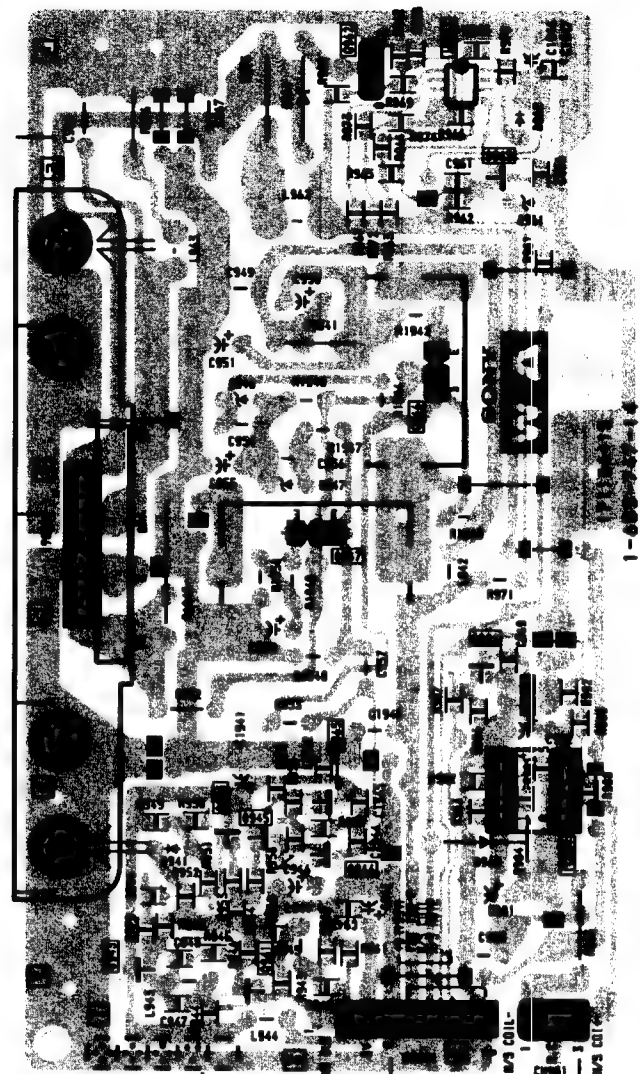
|       | pin | volt |       | pin | volt |
|-------|-----|------|-------|-----|------|
| IC961 | 1   | 4.3  | IC981 | 1   | 4.8  |
|       | 2   | 4.1  |       | 2   | 4.5  |
|       | 3   | 7.5  |       | 3   | 4.4  |
|       | 4   | GND  |       | 4   | GND  |
|       | 5   | 4.6  |       | 5   | 4.1  |
|       | 6   | 4.2  |       | 6   | 4.1  |
|       | 7   | 4.4  |       | 7   | 4.1  |
|       | 8   | 8.7  |       | 8   | 8.7  |

All voltages are in V

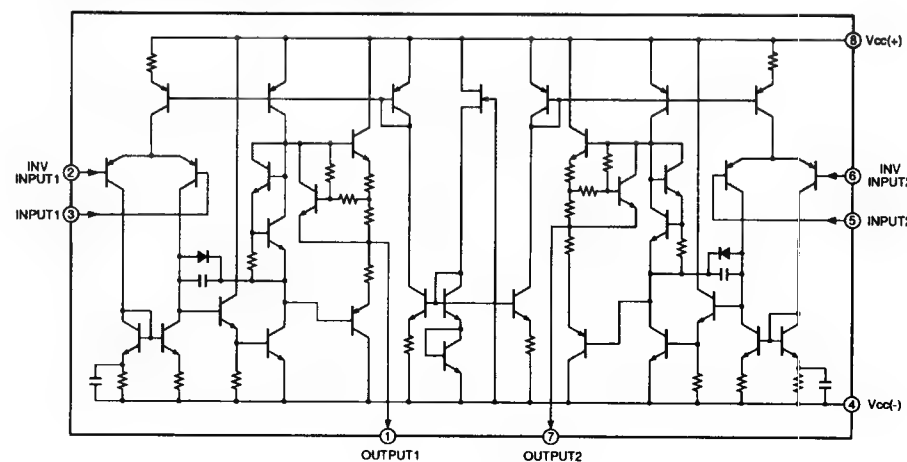
### WA BOARD TRANSISTOR VOLTAGE LIST

|      | B   | C    | E     |
|------|-----|------|-------|
| Q943 | 3   | 8.7  | 2.4   |
| Q944 | 2.7 | 8.7  | 2.1   |
| Q945 | 2.7 | 5.5  | 2.1   |
| Q946 | 134 | 65.7 | 134.6 |
| Q947 | 0.9 | 65.7 | 0.5   |
| Q963 | 4.6 | GND  | 5.3   |
| Q965 | 5.5 | 8.7  | 5.5   |
| Q966 | 5.5 | GND  | 5.5   |
| Q981 | 0   | 4.1  | GND   |
|      | G   | D    | S     |
| Q962 | 4.3 | 9.8  | GND   |

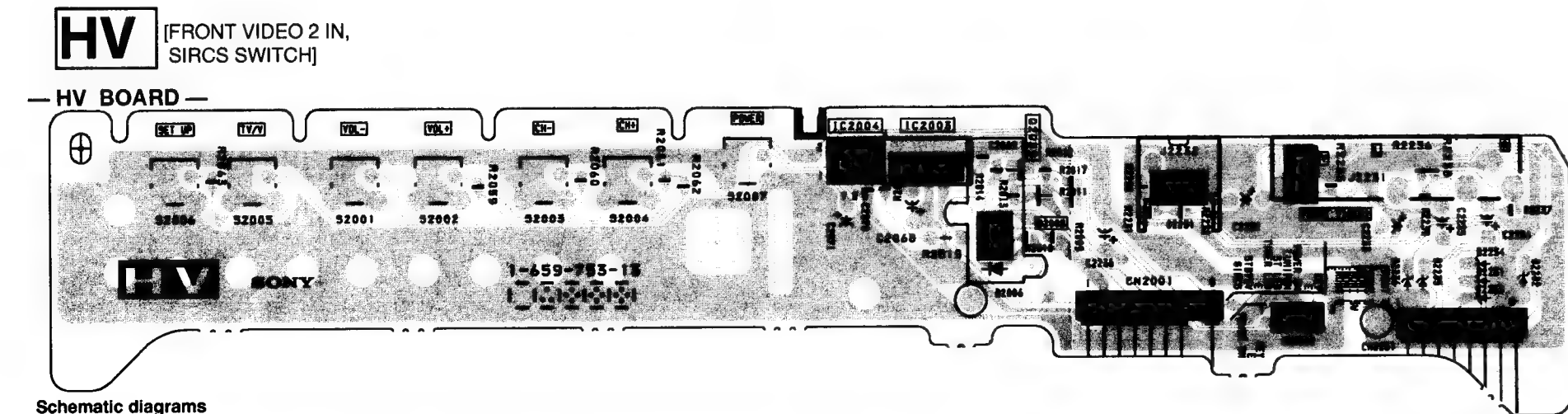
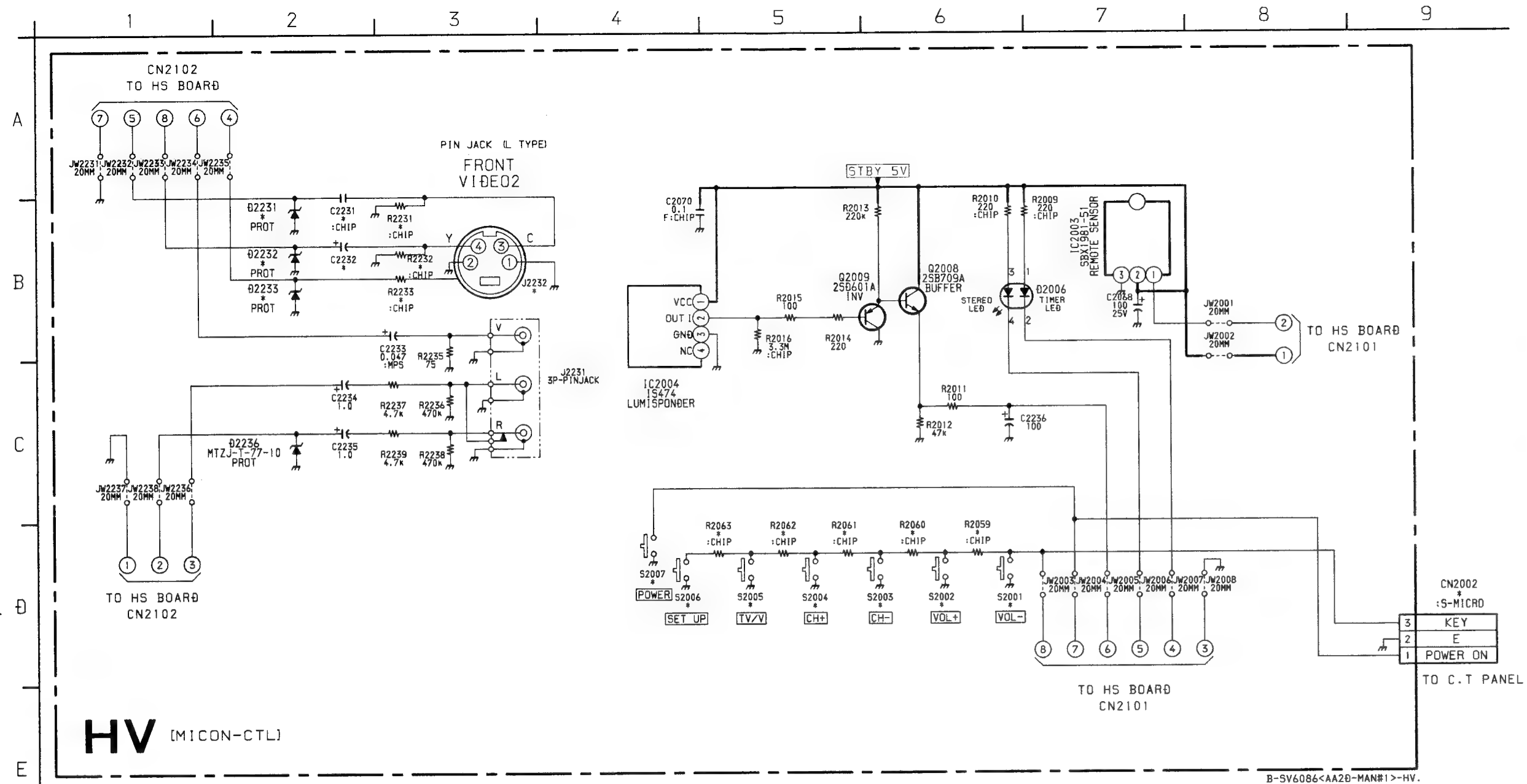
All voltages are in V



**WA BOARD: IC981 M5216P**







**HV BOARD TRANSISTOR VOLTAGE LIST**

|       | B   | C   | E   |
|-------|-----|-----|-----|
| Q2008 | 4.5 | 5.0 | 1.5 |
| Q2009 | 0.4 | GND | 4.5 |

All voltages are in V

**HV BOARD IC VOLTAGE LIST**

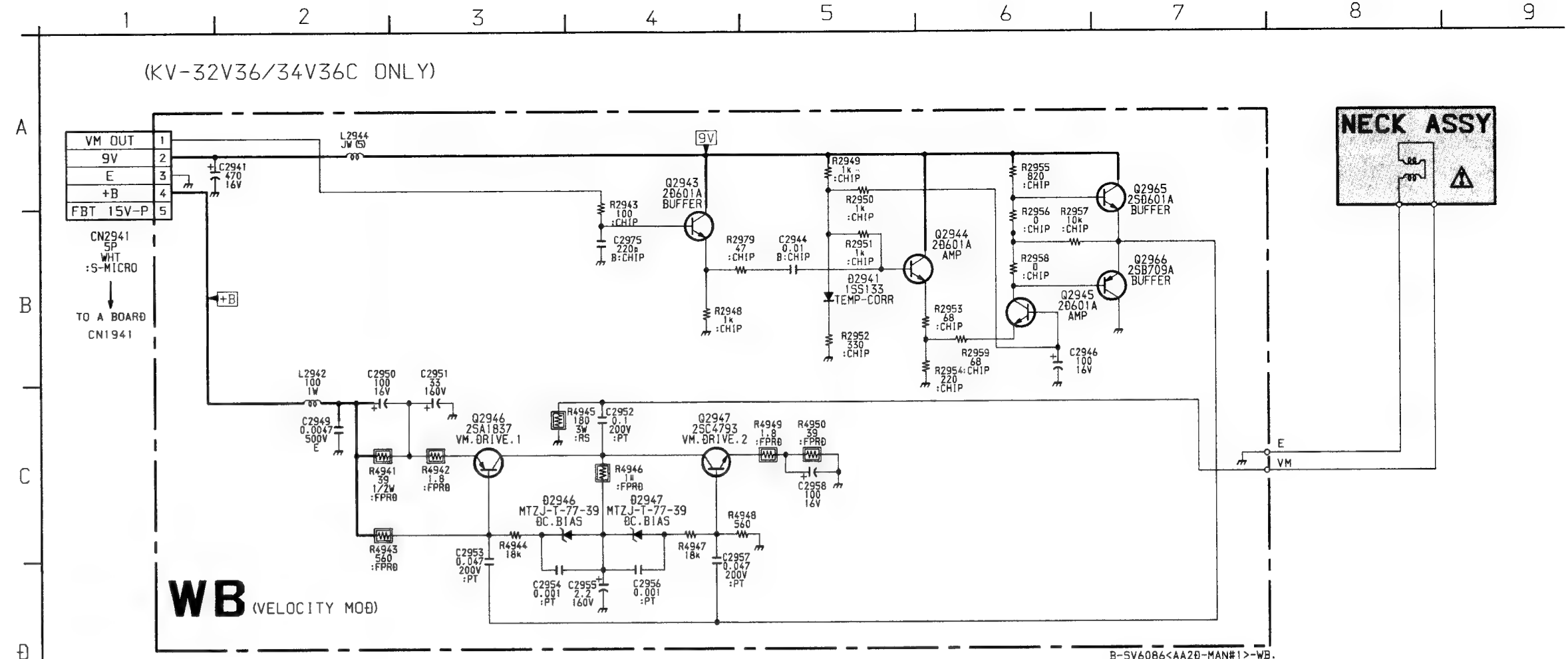
|        | pin | volt |
|--------|-----|------|
| IC2003 | 1   | 5.0  |
|        | 2   | 5.0  |
|        | 3   | GND  |
| IC2004 | 1   | 5.0  |
|        | 2   | 0.5  |
|        | 3   | GND  |
|        | 4   | NC   |

All voltages are in V

**HV BOARD \* MARK LIST**

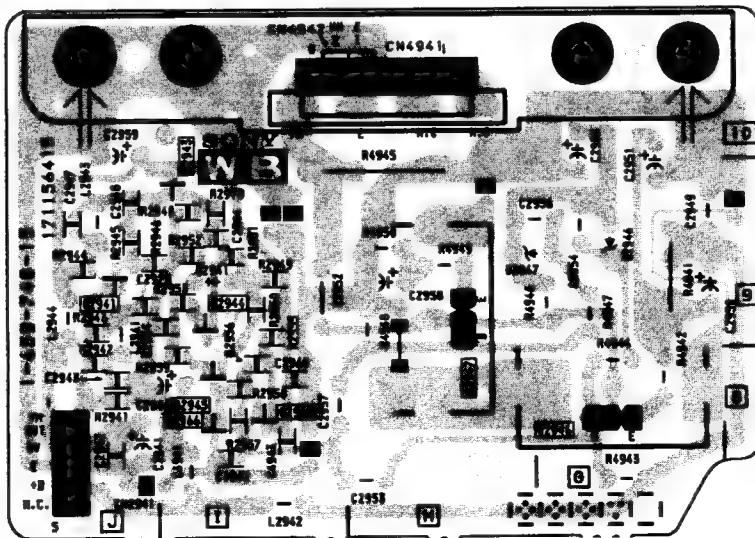
|        | KV-32V26   | KV-32V36/34V36C<br>35V36/35V76<br>37V36M |
|--------|------------|--|
| C2231  | #          | 0.01                                     |
| C2232  | #          | 0.047                                    |
| CN2002 | #          | 3P                                       |
| D2231  | #          | MTZJ-T-77-10                             |
| D2232  | #          | MTZJ-T-77-10                             |
| D2233  | #          | MTZJ-T-77-10                             |
| J2232  | #          | S-JACK                                   |
| R2059  | 820        | #  |
| R2060  | 1K         | #  |
| R2061  | 1.8K       | #  |
| R2062  | 4.7        | #  |
| R2063  | 10         | #  |
| R2231  | #          | 75                                       |
| R2232  | #          | 75                                       |
| R2233  | #          | 4.7K                                     |
| S2001  | TACTILE-SW | #  |
| S2002  | TACTILE-SW | #  |
| S2003  | TACTILE-SW | #  |
| S2004  | TACTILE-SW | #  |
| S2005  | TACTILE-SW | #  |
| S2006  | TACTILE-SW | #  |
| S2007  | TACTILE-SW | #  |

#: NOT MOUNTED



**WB [VELOCITY MOD.]**

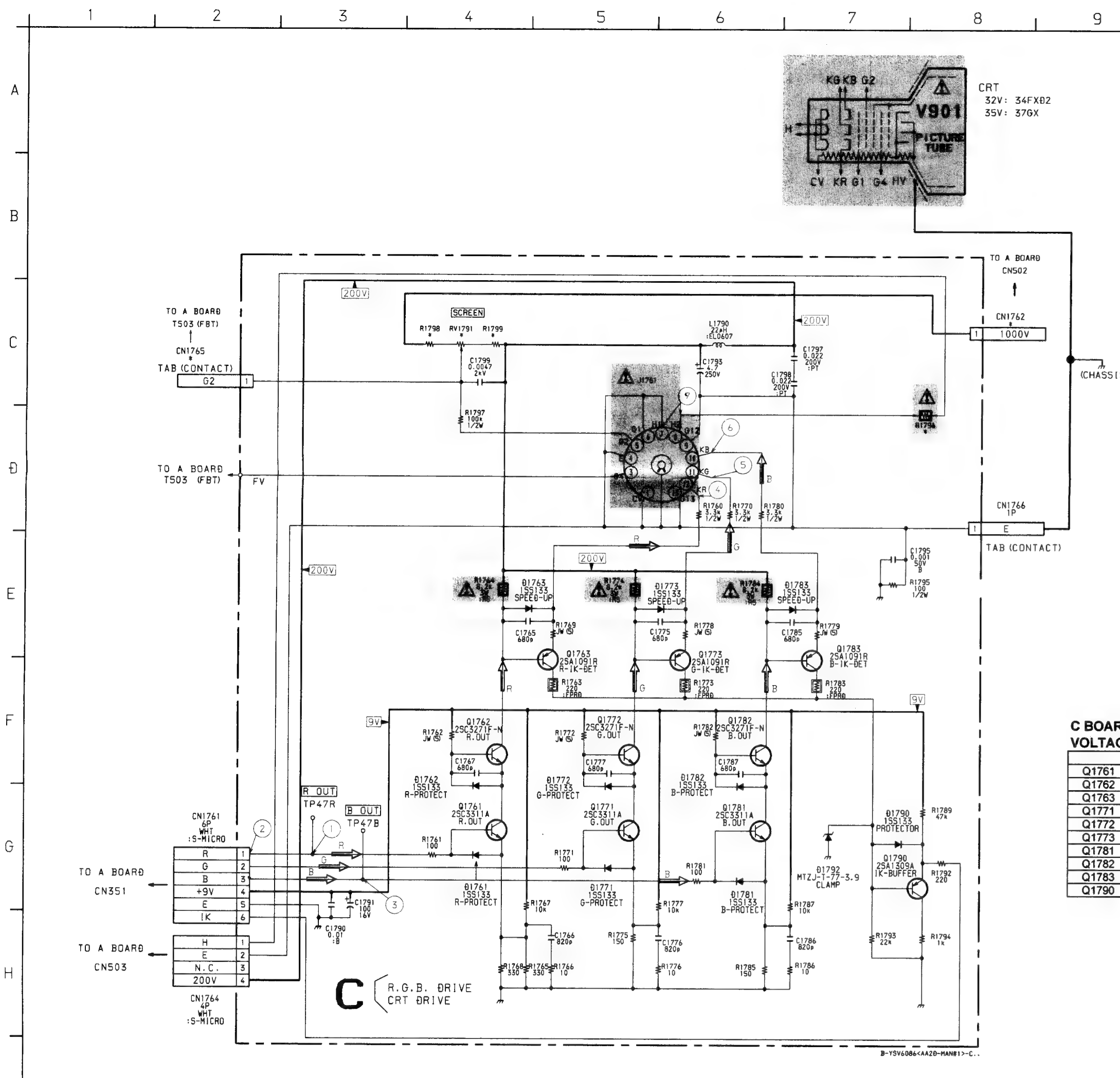
**WB BOARD**



**WB BOARD TRANSISTOR VOLTAGE LIST**

|       | B     | C    | E     |
|-------|-------|------|-------|
| Q2943 | 3.1   | 9.0  | 2.4   |
| Q2944 | 2.7   | 9.0  | 2.1   |
| Q2945 | 2.8   | 5.8  | 2.1   |
| Q2946 | 134.0 | 67.4 | 135.0 |
| Q2947 | 1.8   | 67.4 | 0.5   |
| Q2965 | 5.8   | 9.0  | 5.9   |
| Q2966 | 5.8   | GND  | 5.9   |

All voltages are in V

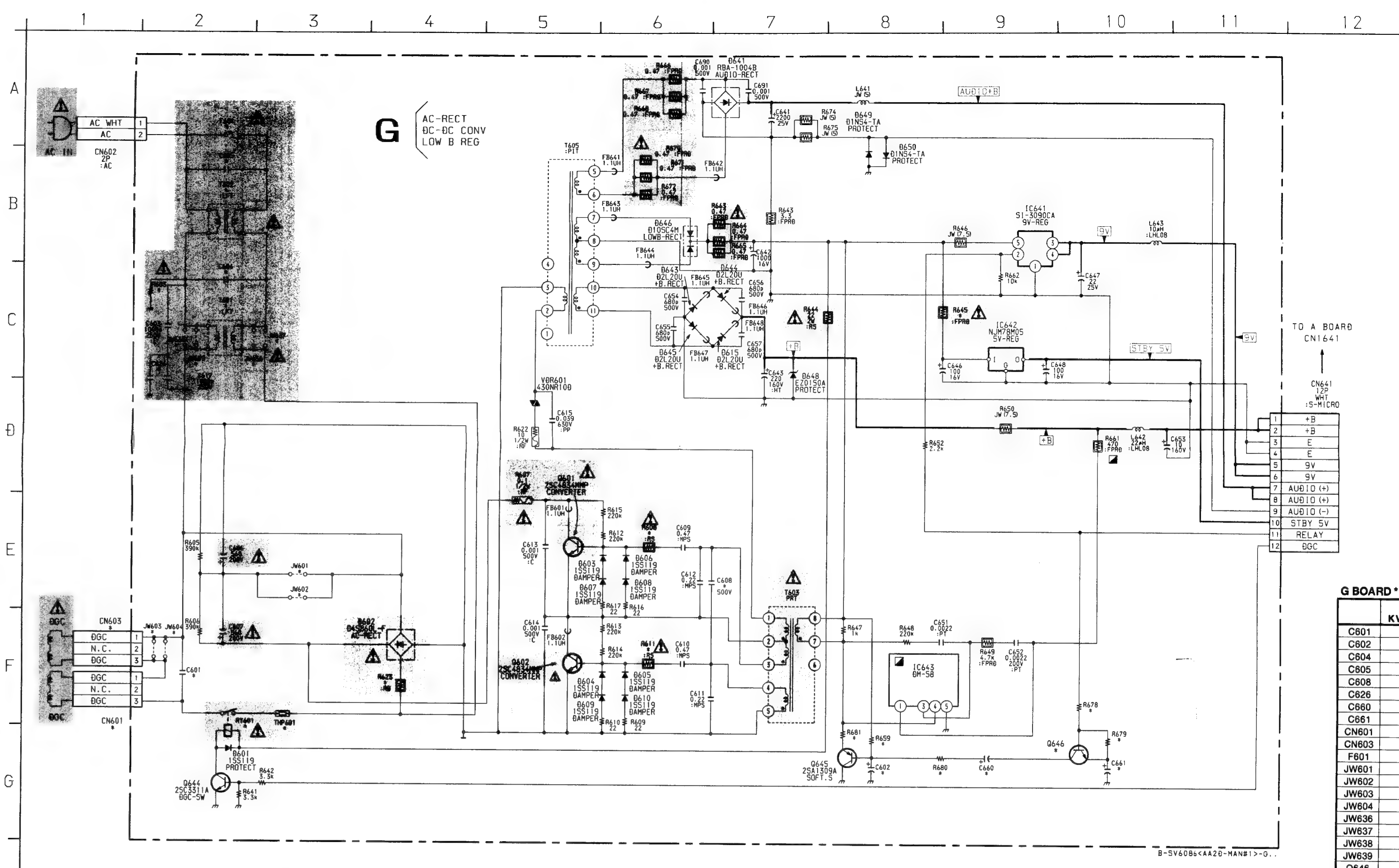
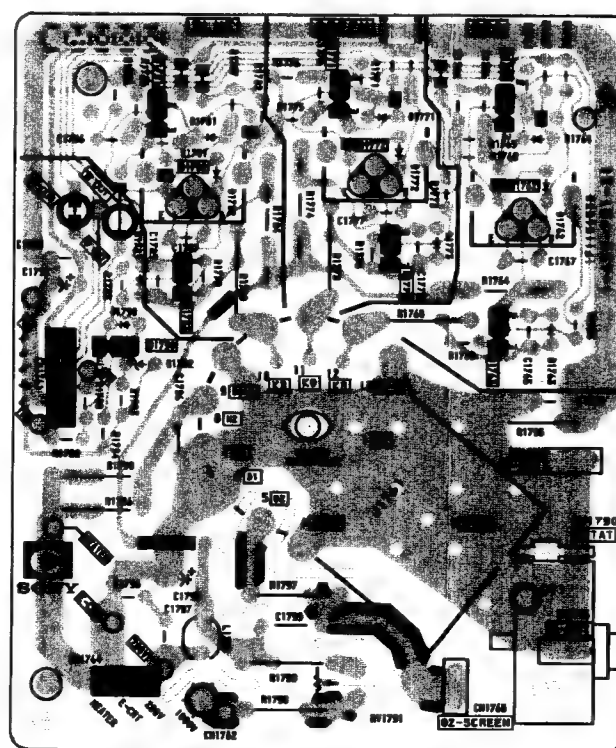


**C BOARD TRANSISTOR VOLTAGE LIST**

|       | B     | C     | E     |
|-------|-------|-------|-------|
| Q1761 | 2.2   | 8.2   | 1.7   |
| Q1762 | 8.7   | 134.1 | 8.2   |
| Q1763 | 134.1 | 2.3   | 132.0 |
| Q1771 | 1.8   | 8.2   | 1.3   |
| Q1772 | 8.7   | 146.4 | 8.2   |
| Q1773 | 146.4 | 2.3   | 144.1 |
| Q1781 | 2.1   | 8.2   | 1.6   |
| Q1782 | 8.7   | 133.7 | 8.2   |
| Q1783 | 133.7 | 2.3   | 131.5 |
| Q1790 | 2.2   | 0.2   | 2.5   |

All voltages are in V

**C** [R.G.B. OUT]  
— C BOARD —



**G BOARD TRANSISTOR VOLTAGE LIST**

|      | B     | C     | E     |
|------|-------|-------|-------|
| Q601 | 145.2 | 294.0 | 147.5 |
| Q602 | -1.7  | 147.5 | GND   |
| Q644 | 0     | 10.5  | GND   |

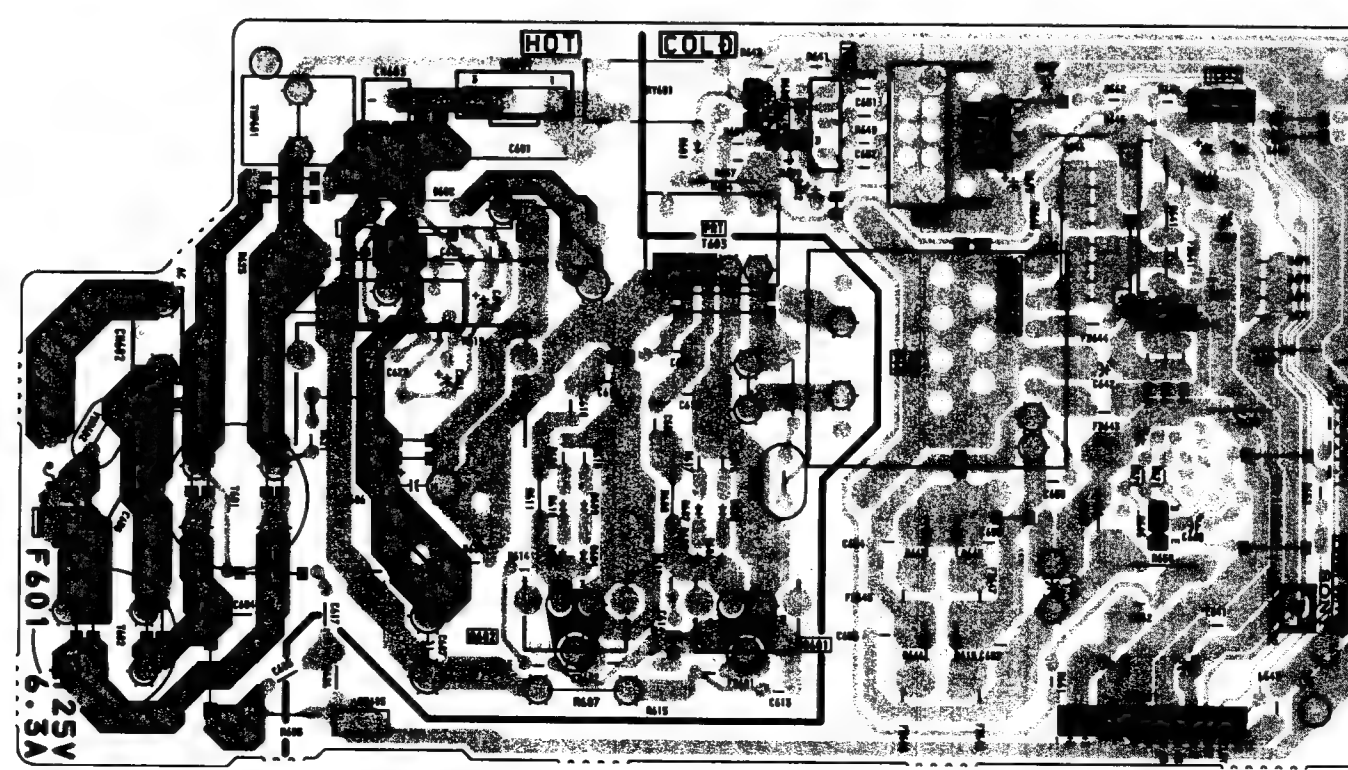
All voltages are in V

**G BOARD IC VOLTAGE LIST**

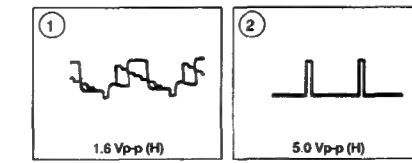
|       | pin | volt |
|-------|-----|------|
| IC641 | 1   | GND  |
|       | 2   | 3.9  |
|       | 3   | 8.9  |
| IC642 | 1   | 10.5 |
|       | 2   | 9.5  |
|       | 3   | 5.0  |
| IC643 | 1   | 135  |
|       | 2   | NC   |
|       | 3   | 2.5  |
|       | 4   | 7.5  |
|       | 5   | GND  |

All voltages are in V

**G** [POWER SUPPLY]  
— G BOARD —





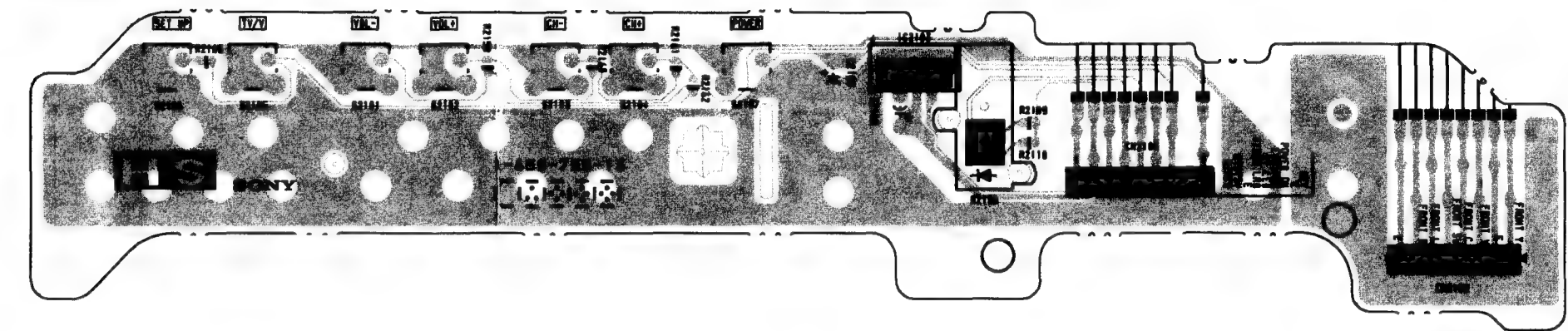


|       | B   | C   | E   |
|-------|-----|-----|-----|
| Q101  | 5.8 | 8.7 | 5.1 |
| Q103  | 4.3 | 4.9 | 5.0 |
| Q104  | 5.0 | 0   | 5.0 |
| Q105  | 5.0 | 0.8 | 5.0 |
| Q1901 | 5.0 | 0   | 0   |
| Q1902 | 5.0 | 0   | 0   |
| Q1906 | 5.0 | 0   | 0   |
| Q1908 | 5.0 | 0   | 0   |
| Q1911 | 0   | 5.0 | 0   |
| Q1912 | 0.7 | 0   | GND |
| Q1914 | 4.9 | 0   | 5.0 |
| Q1916 | 0.2 | 5.0 | 0   |
| Q1917 | 0.2 | 5.0 | 0   |

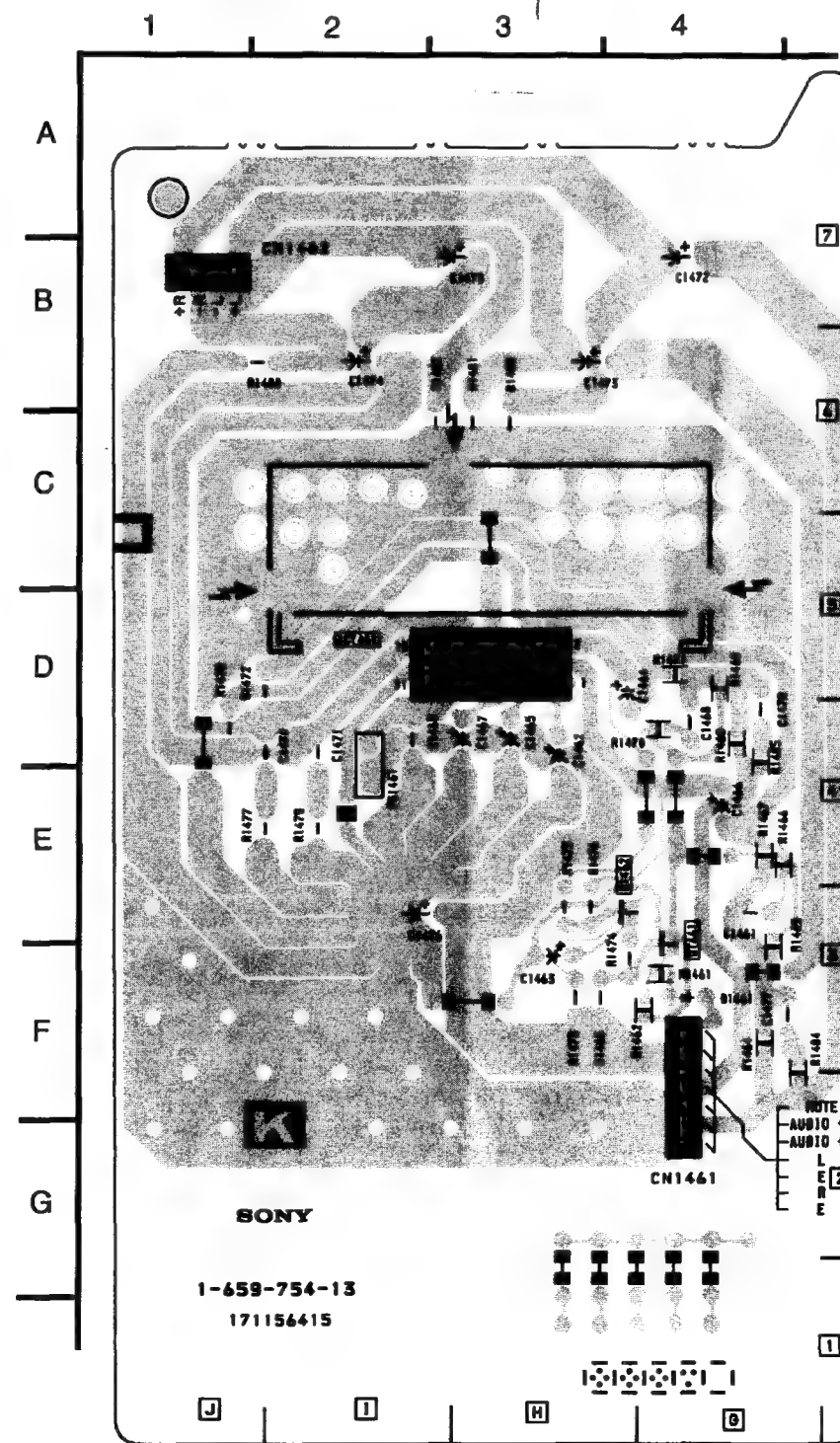
All voltages are in V



| AV BOARD   |     |
|------------|-----|
| DIODE      |     |
| D101       | B-5 |
| D103       | B-4 |
| D104       | B-4 |
| IC         |     |
| IC1901     | B-3 |
| IC1902     | C-3 |
| IC1903     | B-4 |
| TRANSISTOR |     |
| Q101       | A-5 |
| Q103       | D-5 |
| Q104       | D-5 |
| Q105       | B-4 |
| Q1901      | D-3 |
| Q1902      | E-3 |
| Q1906      | D-3 |
| Q1908      | E-3 |
| Q1911      | C-4 |
| Q1912      | C-4 |
| Q1914      | C-4 |
| Q1916      | C-3 |
| Q1917      | C-3 |



| AV BOARD MARK LIST |          |  |
|--------------------|----------|--|
|                    | KV-32V26 | KV-32V36<br>34V36C/35V36<br>35V76/37V36M |
| C101               | #        | 1  |
| C102               | #        | 0.0022                                   |
| C104               | #        | 10                                       |
| C106               | #        | 47/25V                                   |
| C108               | #        | 100/16V                                  |
| C109               | #        | 220P                                     |
| C110               | #        | 0.047                                    |
| C111               | #        | 1  |
| C113               | #        | 220/16V                                  |
| CN103              | #        | 4P                                       |
| D101               | #        | MTZ-J-T-77-5.6C                          |
| D104               | #        | 153/133                                  |
| L102               | #        | 10UH                                     |
| L103               | #        | JW(5)                                    |
| L104               | #        | JW(5)                                    |
| L105               | #        | 100uH                                    |
| Q101               | #        | 25C3311A                                 |
| Q103               | #        | 25B709A                                  |
| Q104               | #        | 25B709A                                  |
| Q105               | #        | 25B709A                                  |
| R101               | #        | 4.7K                                     |
| R102               | #        | 27k                                      |
| R103               | #        | 39k                                      |
| R104               | #        | 680                                      |
| R106               | #        | 22k                                      |
| R107               | #        | 22k                                      |
| R108               | #        | 22k                                      |
| R109               | #        | 22k                                      |
| R112               | #        | 2.2k                                     |
| R113               | #        | 100k                                     |
| R114               | #        | 1M                                       |
| R115               | #        | 10k                                      |
| R116               | #        | 10k                                      |
| R117               | #        | 4.7k                                     |
| TU101              | #        | BTF-LA402                                |

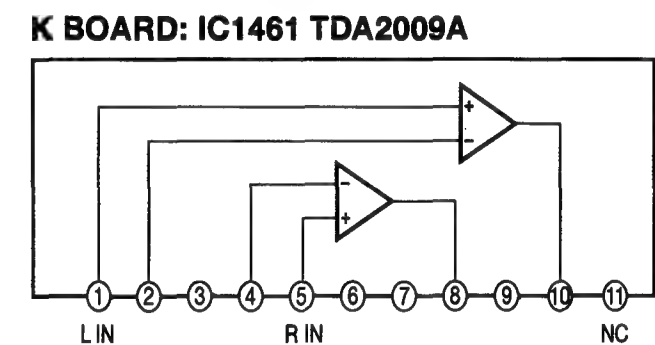


| K BOARD IC VOLTAGE LIST |     |      |
|-------------------------|-----|------|
|                         | pin | volt |
| IC1461                  | 1   | 1.5  |
|                         | 2   | 4.2  |
|                         | 3   | 12.2 |
|                         | 4   | 4.5  |
|                         | 5   | 1.5  |
|                         | 6   | GND  |
|                         | 7   | NC   |
|                         | 8   | 0.2  |
|                         | 9   | 22.1 |
|                         | 10  | 0.2  |
|                         | 11  | NC   |

All voltages are in V

|       | B    | C    | E    |
|-------|------|------|------|
| Q1461 | 0.7  | 0    | GND  |
| Q1462 | 20.0 | 20.7 | 20.7 |

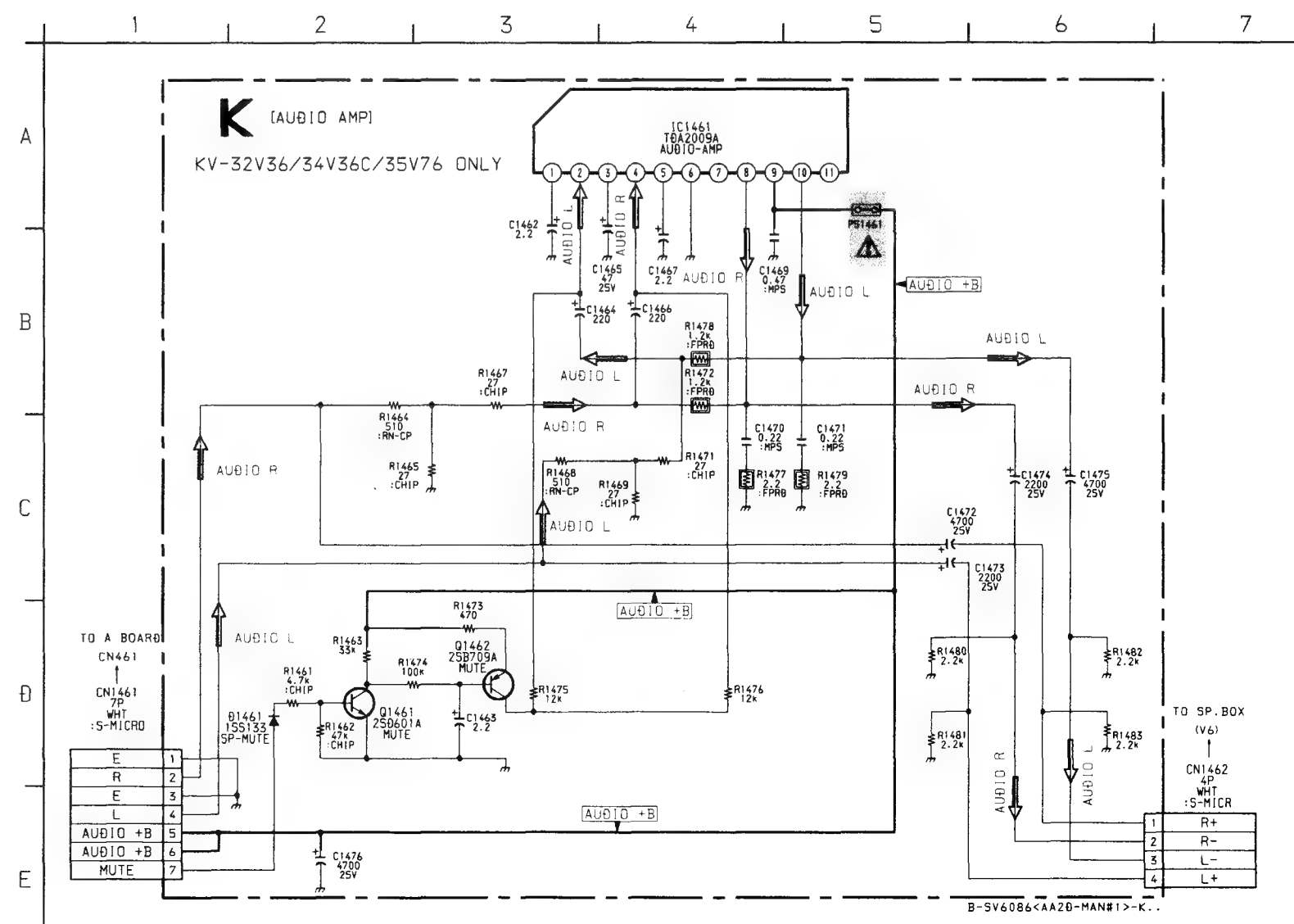
All voltages are in V



| AV BOARD IC VOLTAGE LIST |     |      |        |     |      |
|--------------------------|-----|------|--------|-----|------|
|                          | pin | volt |        | pin | volt |
| IC1901                   | 1   | 0.2  |        | 7   | 0    |
|                          | 2   | 0.2  |        | 8   | 1.3  |
|                          | 3   | NC   |        | 9   | 0    |
|                          | 4   | NC   |        | 10  | GND  |
|                          | 5   | NC   |        | 11  | GND  |
|                          | 6   | NC   |        | 12  | GND  |
|                          | 7   | NC   |        | 13  | GND  |
|                          | 8   | GND  | IC1903 | 14  | 0.2  |
|                          | 9   | NC   |        | 1   | GND  |
|                          | 10  | NC   |        | 2   | GND  |
|                          | 11  | 8.7  |        | 3   | NC   |
|                          | 12  | GND  |        | 4   | 5.0  |
|                          |     | 13   | GND    | 5   | NC   |
|                          | 14  | 4.9  | 6      | 0.2 |      |
|                          | 15  | 5.0  | 7      | 5.0 |      |
|                          | 16  | 8.7  | 8      | 0.4 |      |
| IC1902                   | 1   | 0.2  |        | 9   | NC   |
|                          | 2   | 0.2  |        | 10  | 0.4  |
|                          | 3   | 5.0  |        | 11  | 0    |
|                          | 4   | 1.3  |        | 12  | 0    |
|                          | 5   | 0    |        | 13  | 5.0  |
|                          | 6   | 1.3  |        | 14  | NC   |

| pin | volt |
|-----|------|
| 7   | 0    |
| 8   | 1.3  |
| 9   | 0    |
| 10  | GND  |
| 11  | GND  |
| 12  | GND  |
| 13  | GND  |
| 14  | 0.2  |
| 1   | GND  |
| 2   | GND  |
| 3   | NC   |
| 4   | 5.0  |
| 5   | NC   |
| 6   | 0.2  |
| 7   | 5.0  |
| 8   | 0.4  |
| 9   | NC   |
| 10  | 0.4  |
| 11  | 0    |

|    |   |
|----|---|
| 11 | 0 |
| 12 | 0 |

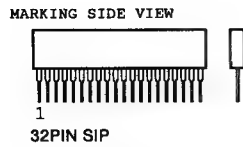


B-SV6086<AA20-MAN#1>-K.



## 4-5. SEMICONDUCTORS

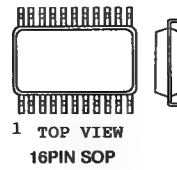
BH3856FS-E2



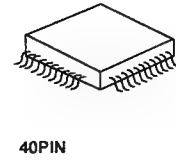
CD4052BCN



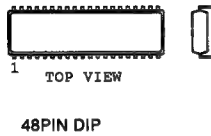
CXA1315M



CXA-2019Q-T4



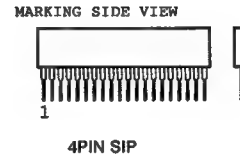
CXA2025AS



CXP85640-002S



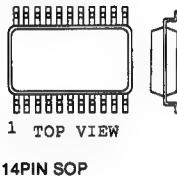
DM-58



IS474



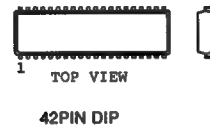
LM2901M



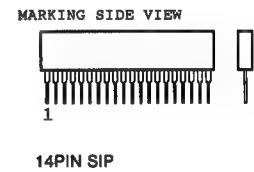
M5216P



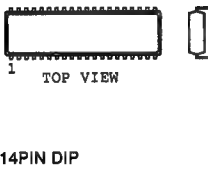
MM1313AD



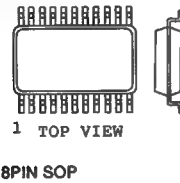
NJM2129M-TE2



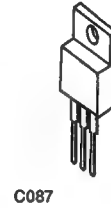
NJM2902M



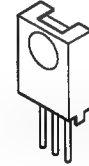
NJM2903M  
NJM2904M  
ST24CO2FM6TR  
UPC4558G2



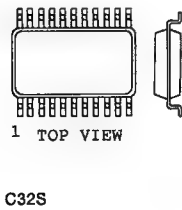
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TA7805S



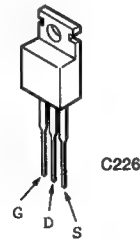
SBX1790-51



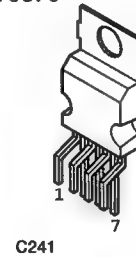
SDA9288X



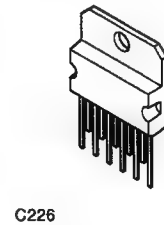
IRF614



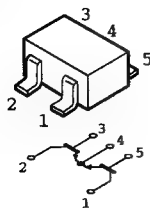
STV9379



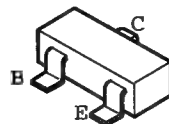
TDA2009A



FMGAT148  
2SC5418



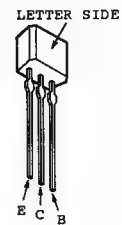
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2SA1162-G  
2SA1130-06  
2SD601A-Q



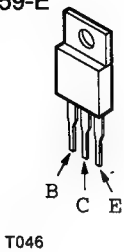
2SA1091-0



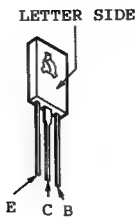
2SA1175-HFE  
2SC2785-HFE



2SA1837  
2SC4159-E



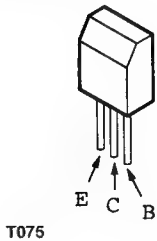
2SC2611



2SC4834M



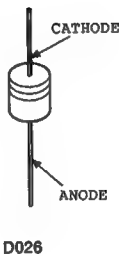
2SC3209LK



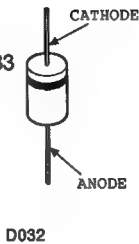
D10SC4M



D1NS4  
MTZJ-3.3  
MTZJ-33A  
MTZJ-6.2B  
MTZJ-7.5B  
RD10ESB2  
RD39ES-B2  
RD5.6ESB2  
1SS19-25



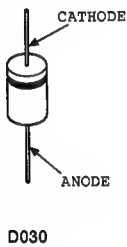
D2L2OU  
EL1Z  
EZ0150AV1  
GP08D  
MTZJ-T-77-3.9  
RGP02-17EL-6433



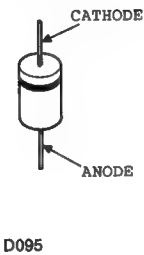
D4SB60L  
RBA-1004B



ERC06-15S  
ISSI33T-77



ERD29-08J



## SECTION 5 EXPLODED VIEWS

• Items with no part number and no description are not stocked because they are seldom required for routine service.

• The construction parts of an assembled part are indicated with a collation number in the remark column.

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

### Note:

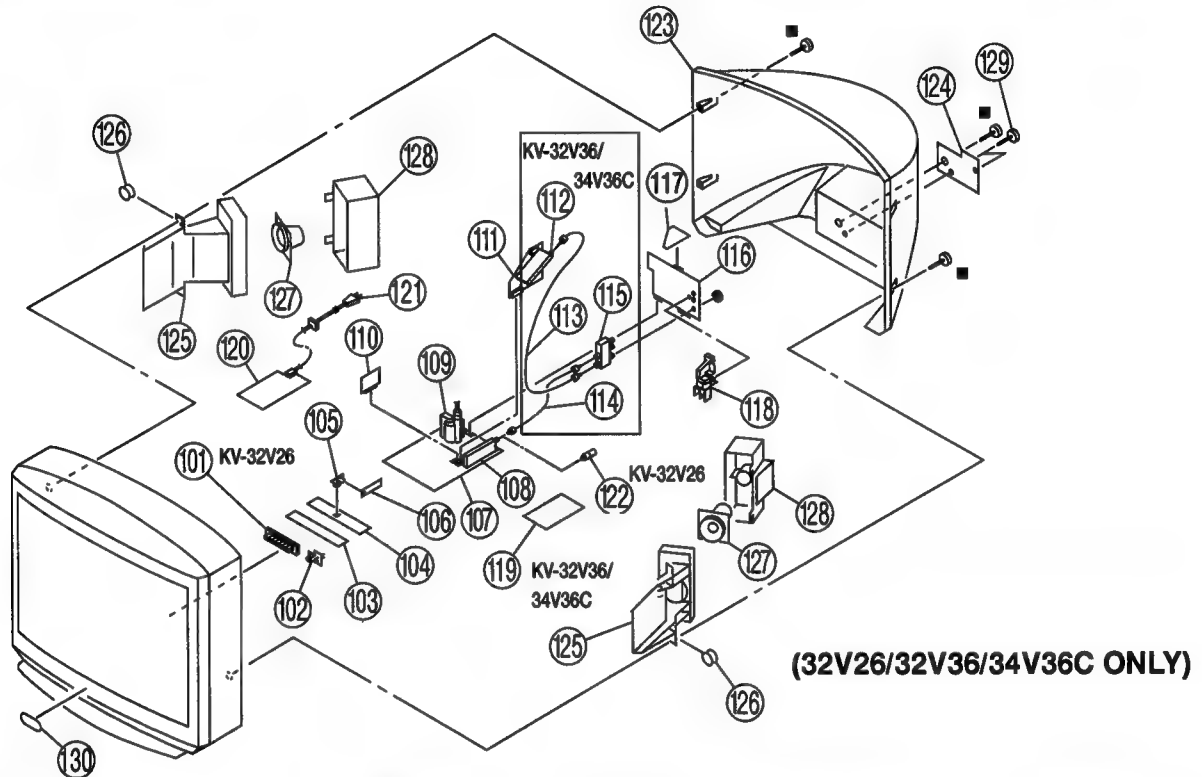
The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

### Note:

Les composants identifiés par un trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

### 5-1. CHASSIS (32V26/32V36/34V36C ONLY)

■ 7-685-663-71 SCREW +BVTP 4X16



| REF.NO. | PART NO.       | DESCRIPTION                             | REMARK |
|---------|----------------|---|--------|
| 101     | 4-052-907-01   | BUTTON, MULTI (KV-32V26)                |        |
| 102     | * 4-052-897-01 | GUIDE, LED                              |        |
| 103     | * A-1372-325-A | HV BOARD, COMPLETE (KV-32V26)           |        |
| 103     | * A-1372-330-A | HV BOARD, COMPLETE (KV-32V36/34V36C)    |        |
| 104     | * A-1372-326-A | HS BOARD                                |        |
| 105     | * 3-696-606-02 | HINGE, VI                               |        |
| 106     | * 1-659-757-11 | SA BOARD                                |        |
| 107     | * A-1298-062-A | A BOARD, COMPLETE (KV-32V26)            |        |
| 107     | * A-1298-082-A | A BOARD, COMPLETE (KV-32V36/34V36C)     |        |
| 108     | Δ 8-598-340-00 | TUNER BTF-WA404                         |        |
| 109     | Δ 1-453-207-11 | TRANSFORMER ASSY, FLYBACK (NX-2609)     |        |
| 110     | * A-1195-115-A | P BOARD, COMPLETE                       |        |
| 111     | * A-1297-720-A | AV BOARD, COMPLETE (KV-32V36/34V36C)    |        |
| 111     | * A-1297-850-A | AV BOARD, COMPLETE (KV-32V26)           |        |
| 112     | Δ 8-598-339-00 | TUNER BTF-LA402 (KV-32V36/34V36C)       |        |
| 113     | * 1-557-056-31 | CABLE, P-P (KV-32V36/34V36C)            |        |
| 114     | * 1-556-945-21 | CABLE, P-P (KV-32V36/34V36C)            |        |
| 115     | 8-598-414-00   | SWITCH, ANTENNA AS-2F (KV-32V36/34V36C) |        |
| 116     | * A-1394-846-A | UV BOARD, COMPLETE (KV-32V36/34V36C)    |        |
| 116     | * A-1394-844-A | UV BOARD, COMPLETE (KV-32V26)           |        |

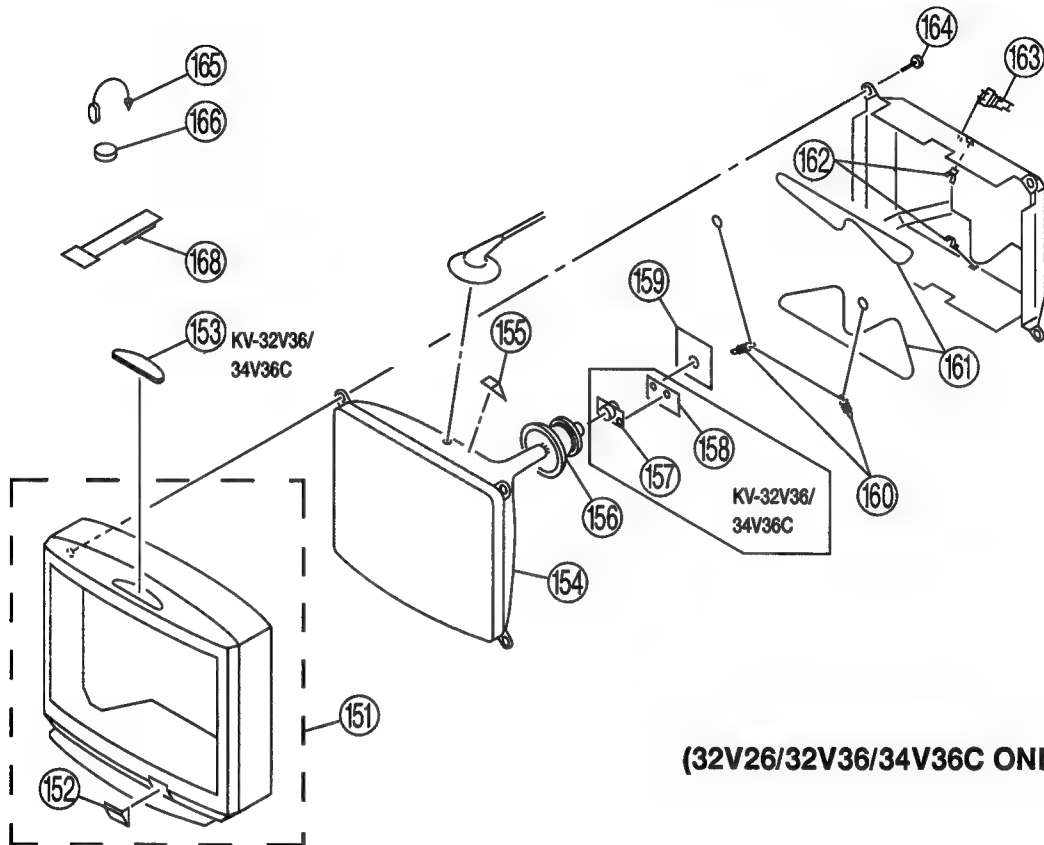
| REF.NO. | PART NO.       | DESCRIPTION                                  | REMARK |
|---------|----------------|--|--------|
| 117     | * A-1390-585-A | SC BOARD, COMPLETE                           |        |
| 118     | * 4-052-905-01 | BRACKET, V5/6 (KV-32V36/34V36C)              |        |
| 119     | * A-1380-518-A | K BOARD, COMPLETE (KV-32V36/34V36C)          |        |
| 120     | * A-1316-252-A | G BOARD, COMPLETE (KV-34V36C)                |        |
| 120     | * A-1316-261-A | G BOARD, COMPLETE (KV-32V26/34V36C)          |        |
| 121     | Δ 1-751-059-11 | CORD POWER (WITH CONNECTOR) (KV-32V26/32V36) |        |
| 121     | Δ 1-769-796-41 | CORD POWER (WITH CONNECTOR) (KV-34V36C)      |        |
| 122     | 1-766-374-11   | PLUG, F-PIN (KV-32V26)                       |        |
| 123     | 4-053-766-11   | COVER, REAR                                  |        |
| 124     | 4-052-898-11   | LABEL, TERMINAL (KV-32V36/34V36C)            |        |
| 124     | 4-052-899-11   | LABEL, TERMINAL (KV-32V26)                   |        |
| 125     | 4-043-457-11   | BAFFLE, SPEAKER                              |        |
| 126     | 4-374-745-31   | CUSHION (A)                                  |        |
| 127     | 1-504-524-11   | SPEAKER (8CM) (KV-32V26)                     |        |
| 127     | 1-505-326-11   | SPEAKER (8CM) (KV-32V36/34V36C)              |        |
| 128     | X-4032-226-1   | COVER ASSY, SPEAKER (KV-32V26)               |        |
| 128     | X-4033-616-1   | COVER ASSY, SPEAKER (KV-32V36/34V36C)        |        |
| 129     | 4-041-165-01   | SCREW (3X12) TAPPING, +BV                    |        |
| 130     | 4-046-160-01   | EMBLEM (NO.9), SONY                          |        |

**Note:**

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**5-2. PICTURE TUBE (32V26/32V36/34V36C ONLY)****(32V26/32V36/34V36C ONLY)**

| REF.NO.      | PART NO.     | DESCRIPTION                             | REMARK |
|--------------|--------------|---|--------|
| 151          | X-4034-596-1 | BEZNET ASSY (KV-32V26)                  | 152    |
| 151          | X-4033-597-1 | BEZNET ASSY (KV-32V36/34V36C)           | 152    |
| 152          | 4-052-906-21 | DOOR, CONTROL (KV-32V26)                |        |
| 152          | 4-052-906-51 | DOOR, CONTROL (KV-32V36/34V36C)         |        |
| 153          | 1-473-549-11 | SWITCH BLOCK, CONTROL (KV-32V36/34V36C) |        |
| 154 $\Delta$ | 8-733-745-05 | CRT34FXD2 (M80JYV51X) (KV-32V26/32V36)  |        |
| 154 $\Delta$ | 8-733-746-05 | CRT34FXD2 (M80JYV51X) (KV-34V36C)       |        |
| 155          | 4-053-005-01 | SPACER, DEFLECTION YOKE                 |        |
| 156          | 8-451-482-21 | DEFLECTION YOKE (Y34FXA2-X)             |        |
| 157 $\Delta$ | 1-452-579-21 | NECK ASSY, CRT (NA322) (KV-34V36C)      |        |

| REF.NO.      | PART NO.     | DESCRIPTION                          | REMARK |
|--------------|--------------|--------------------------------------|--------|
| 158 *        | A-1372-225-A | WB BOARD, COMPLETE (KV-32V36/34V36C) |        |
| 159 *        | A-1331-549-A | C BOARD, COMPLETE                    |        |
| 160          | 4-036-329-01 | SPRING (B), TENSION                  |        |
| 161 $\Delta$ | 1-402-952-11 | COIL DEMAGNETIC (KV-32V26/32V36)     |        |
| 161 $\Delta$ | 1-411-474-11 | COIL DEMAGNETIC (KV-34V36C)          |        |
| 162          | 4-371-629-01 | STOPPER WIRE                         |        |
| 163          | 4-033-681-01 | HOLDER, LEAD                         |        |
| 164          | 4-041-268-01 | SCREW (7), TAPPING                   |        |
| 165          | 4-308-870-00 | CLIP LEAD WIRE                       |        |
| 166          | 1-452-032-00 | MAGNET, DISC                         |        |
| 168          | 4-051-737-21 | PIECE A (100), CONV. CORRECT         |        |

### 5-3. CHASSIS (35V36/35V76/37V36M ONLY)

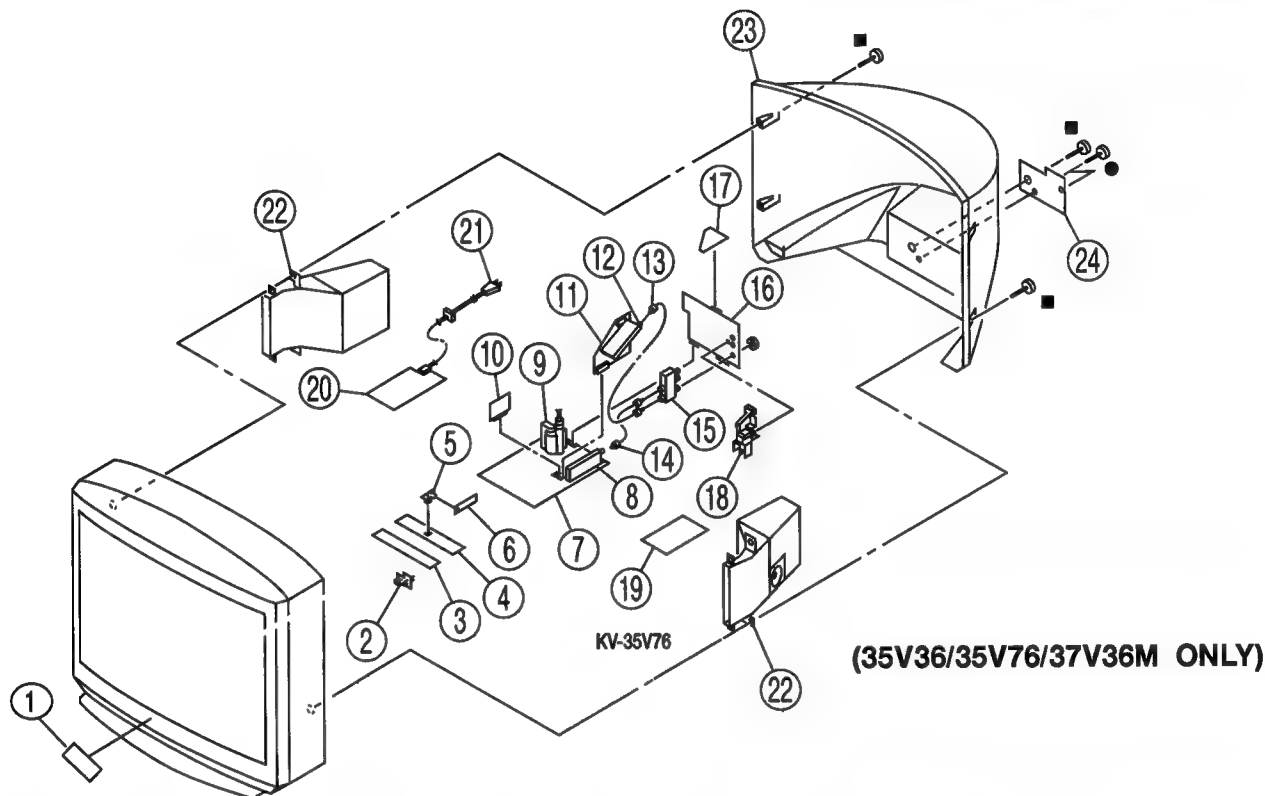
- 7-685-648-79 SCREW +BVTP 3X12
- 7-685-663-71 SCREW +BVTP 4X16

**Note:**

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



| REF.NO.     | PART NO.     | DESCRIPTION                          | REMARK           |
|-------------|--------------|--------------------------------------|------------------|
| 1           | 4-046-160-01 | EMBLEM (NO. 9) SONY                  |                  |
| 2 *         | 4-052-897-01 | GUIDE, LED                           |                  |
| 3 *         | A-1372-330-A | HV BOARD, COMPLETE                   |                  |
| 4 *         | A-1372-326-A | HS BOARD, COMPLETE                   |                  |
| 5 *         | 3-696-606-02 | HINGE, VI                            |                  |
| 6           | 1-659-757-13 | SA BOARD                             |                  |
| 7 *         | A-1298-087-A | A BOARD, COMPLETE (KV-35V36/37V36M)  |                  |
| 7 *         | A-1298-088-A | A BOARD, COMPLETE (KV-35V76)         |                  |
| 8 $\Delta$  | 8-598-340-00 | TUNER BTF-WA404                      |                  |
| 9 $\Delta$  | 1-453-126-11 | TRANSFORMER ASSY, FLYBACK (NX-300A3) | (KV-35V36/35V76) |
| 9 $\Delta$  | 1-439-50-11  | TRANSFORMER ASSY, FLYBACK (NX-3001)  | (KV-37V36M)      |
| 10 *        | A-1195-115-A | P BOARD, COMPLETE                    |                  |
| 11 *        | A-1297-720-A | AV BOARD, COMPLETE                   |                  |
| 12 $\Delta$ | 8-598-339-00 | TUNER BTF-LA402                      |                  |

| REF.NO. | PART NO.     | DESCRIPTION                           | REMARK |
|---------|--------------|---------------------------------------|--------|
| 13 *    | 1-557-056-31 | CABLE, P-P                            |        |
| 14 *    | 1-556-945-21 | CABLE, P-P                            |        |
| 15      | 8-598-414-00 | ANTENNA SWITCH AS-2F                  |        |
| 16 *    | A-1394-846-A | UV BOARD, COMPLETE (KV-35V76)         |        |
| 16 *    | A-1394-847-A | UV BOARD, COMPLETE (KV-35V36/37V36M)  |        |
| 17 *    | A-1390-585-A | SC BOARD, COMPLETE                    |        |
| 18 *    | 4-052-905-01 | BRACKET, V5/6                         |        |
| 19 *    | A-1380-518-A | K BOARD, COMPLETE (KV-35V76)          |        |
| 20 *    | A-1316-262-A | G BOARD, COMPLETE                     |        |
| 21      | 1-751-059-11 | CORD, POWER (WITH CONNECTOR) 10A/125V |        |
| 22      | 1-505-684-11 | SPEAKER UNIT, BOX TYPE-2 WAY          |        |
| 23      | 4-052-903-01 | COVER, REAR                           |        |
| 24      | 4-052-898-11 | LABEL, TERMINAL (KV-35V76)            |        |
| 24      | 4-052-899-11 | LABEL, TERMINAL (KV-35V36/37V36M)     |        |

**Note:**

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

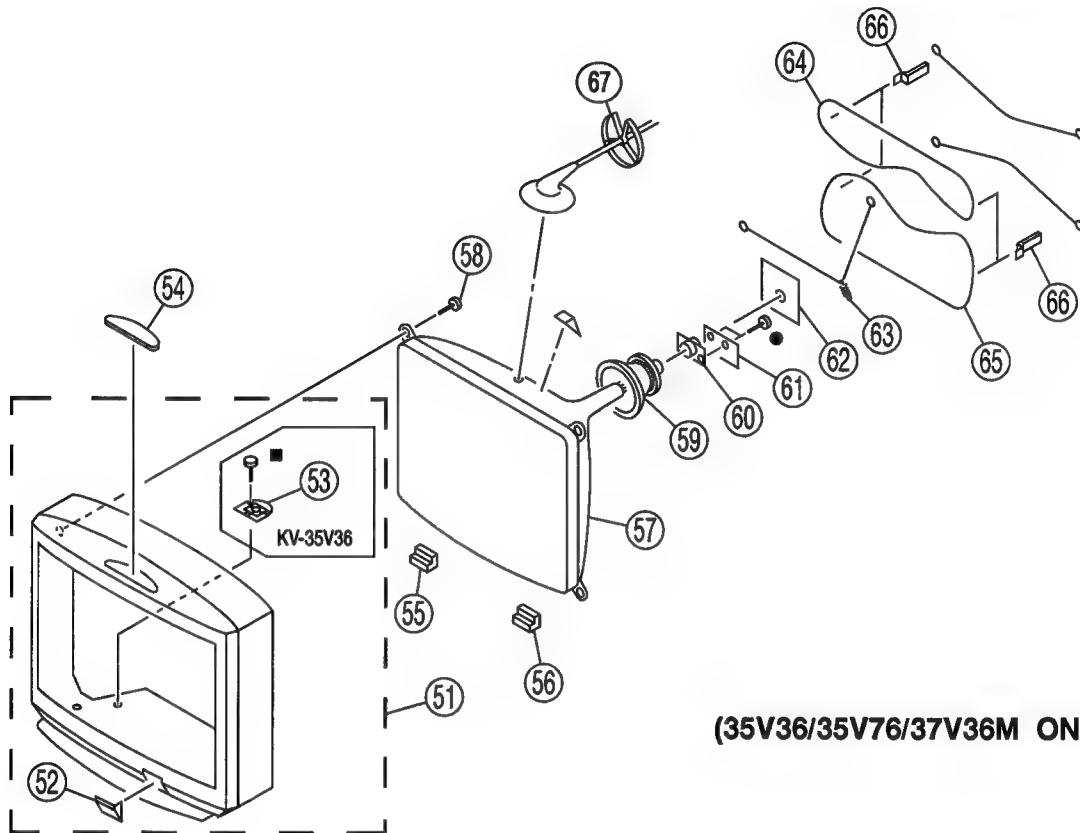
**5-4. PICTURE TUBE (35V36/35V76/37V36M ONLY)**

●: 7-685-648-79 +BVTP 3X12

■: 7-685-663-79 +BVTP 4X16

**Note:**

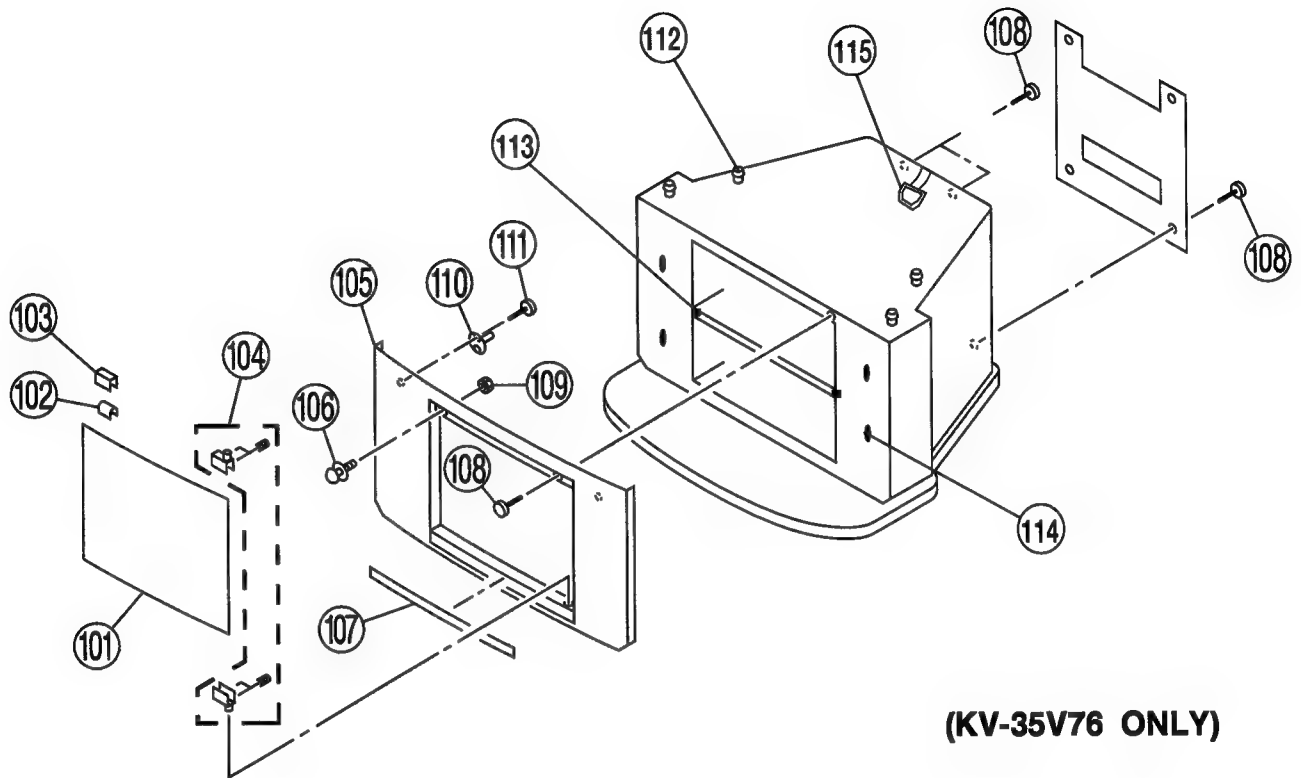
Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



(35V36/35V76/37V36M ONLY)

| REF.NO. | PART NO.              | DESCRIPTION                   | REMARK |
|---------|-----------------------|-------------------------------|--------|
| 51      | X-4034-522-1          | BEZNET ASSY (KV-35V36/37V36M) | 52     |
| 51      | X-4034-523-2          | BEZNET ASSY (KV-35V76)        | 52, 53 |
| 52      | 4-052-906-51          | DOOR, CONTROL                 |        |
| 53      | X-4032-889-1          | CLAMP ASSY (KV-35V76)         |        |
| 54      | 1-473-549-11          | SWITCH BLOCK, CONTROL         |        |
| 55      | 4-052-902-01          | CRT SUPPORT (L)               |        |
| 56      | 4-052-901-01          | CRT SUPPORT (R)               |        |
| 57      | $\Delta$ 8-733-760-71 | ITC 37GX-A1                   |        |
| 58      | 4-046-765-01          | SCREW, TAPPING                |        |
| 60      | 8-453-007-11          | NA324-M                       |        |
| 61      | * A-1372-211-A        | WA BOARD, COMPLETE            |        |
| 62      | * A-1331-522-A        | C BOARD, COMPLETE             |        |
| 63      | 4-036-329-01          | SPRING (B), TENSION           |        |
| 64      | 1-411-881-11          | COIL, DEMAGNETIC              |        |
| 66      | * 4-052-900-01        | HOLDER, DGC                   |        |
| 67      | 3-704-372-31          | HOLDER, HV CABLE              |        |



**5-5. CABINET BASE (KV-35V76 ONLY)**

| <u>REF.NO.</u> | <u>PART NO.</u> | <u>DESCRIPTION</u>       | <u>REMARK</u> |
|----------------|-----------------|--------------------------|---------------|
| 101            | X-4033-459-1    | DOOR ASSY, GLASS         |               |
| 102            | 2-352-981-01    | SPACER                   |               |
| 103            | 2-359-505-01    | RETAINER, MAGNET         |               |
| 104            | 4-041-362-01    | HINGE SET                |               |
| 105            | 4-052-922-01    | COVER, FRONT             |               |
| 106            | 4-032-322-02    | MAGNET, PUSH             |               |
| 107 *          | 4-052-919-01    | PANEL, FRONT             |               |
| 108            | 4-041-164-11    | SCREW (4X20), TAPPING    |               |
| 109            | 4-046-172-01    | NUT, HEXAGON HEAD        |               |
| 110            | 4-843-806-00    | STRIKE                   |               |
| 111            | 7-685-648-79    | SCREW 93X12) TAPPING +BV |               |
| 112            | 4-054-376-01    | WASHER (4)               |               |
| 113            | 4-041-162-01    | PIN RACK (4)             |               |
| 114            | 4-838-438-02    | LATCH (4)                |               |
| 115            | X-4033-016-1    | BUCKLE ASSY              |               |



## SECTION 7

### ELECTRICAL PARTS LIST

**Note:**

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

**Note:**

Les composants identifiés par un trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by **Δ** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

- Items marked "Δ" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

**RESISTORS**

- All resistors are in ohms
- F : nonflammable

**CAPACITORS**

- MF :  $\mu$ F

**INDUCTORS**

- UH :  $\mu$ H

When indicating parts by reference number, please include the board name

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|



\* A-1195-103-A P BOARD, COMPLETE

**CAPACITOR**

|       |              |              |          |     |     |
|-------|--------------|--------------|----------|-----|-----|
| C3301 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C3302 | 1-164-346-11 | CERAMIC CHIP | 1MF      |     | 16V |
| C3303 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3304 | 1-126-960-11 | ELECT        | 1MF      | 20% | 50V |
| C3305 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3306 | 1-126-967-11 | ELECT        | 47MF     | 20% | 16V |
| C3307 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3308 | 1-163-231-11 | CERAMIC CHIP | 15PF     | 5%  | 50V |
| C3309 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C3310 | 1-164-004-11 | CERAMIC CHIP | 0.1MF    | 10% | 25V |
| C3313 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3314 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3315 | 1-164-346-11 | CERAMIC CHIP | 1MF      |     | 16V |
| C3319 | 1-163-031-11 | CERAMIC CHIP | 0.01MF   |     | 50V |
| C3320 | 1-126-960-11 | ELECT        | 1MF      | 20% | 50V |
| C3321 | 1-163-239-11 | CERAMIC CHIP | 33PF     | 5%  | 50V |
| C3322 | 1-163-239-11 | CERAMIC CHIP | 33PF     | 5%  | 50V |
| C3323 | 1-163-031-11 | CERAMIC CHIP | 0.01MF   |     | 50V |
| C3324 | 1-126-967-11 | ELECT        | 47MF     | 20% | 16V |
| C3325 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3326 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3327 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3328 | 1-126-967-11 | ELECT        | 47MF     | 20% | 16V |
| C3329 | 1-126-967-11 | ELECT        | 47MF     | 20% | 16V |
| C3330 | 1-163-031-11 | CERAMIC CHIP | 0.01MF   |     | 50V |
| C3331 | 1-126-967-11 | ELECT        | 47MF     | 20% | 16V |
| C3332 | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C3333 | 1-164-695-11 | CERAMIC CHIP | 0.0022MF | 5%  | 50V |
| C3334 | 1-163-031-11 | CERAMIC CHIP | 0.01MF   |     | 50V |
| C3335 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3336 | 1-163-038-91 | CERAMIC CHIP | 0.1MF    |     | 25V |
| C3337 | 1-164-005-11 | CERAMIC CHIP | 0.47MF   |     | 25V |
| C3338 | 1-163-141-00 | CERAMIC CHIP | 0.001MF  | 5%  | 50V |
| C3340 | 1-163-031-11 | CERAMIC CHIP | 0.01MF   |     | 50V |

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

|       |              |              |       |     |     |
|-------|--------------|--------------|-------|-----|-----|
| C3346 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5%  | 50V |
| C3347 | 1-126-960-11 | ELECT        | 1MF   | 20% | 50V |
| C3348 | 1-126-967-11 | ELECT        | 47MF  | 20% | 16V |
| C3349 | 1-163-121-00 | CERAMIC CHIP | 150PF | 5%  | 50V |
| C3350 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V |
| C3351 | 1-163-251-11 | CERAMIC CHIP | 100PF | 5%  | 50V |

**CONNECTOR**

CN3301\* 1-764-816-11 CONNECTOR, BOARD TO BOARD 20P

**IC**

|        |              |                   |
|--------|--------------|-------------------|
| IC3301 | 8-759-366-24 | IC TDA8315T/N3A-T |
| IC3302 | 8-759-231-53 | IC TA7805S        |
| IC3303 | 8-759-438-61 | IC SDA9288X-A141  |

**COIL**

|       |              |          |      |
|-------|--------------|----------|------|
| L3301 | 1-408-413-00 | INDUCTOR | 22UH |
| L3302 | 1-410-473-11 | INDUCTOR | 18UH |
| L3303 | 1-408-418-00 | INDUCTOR | 56UH |

**TRANSISTOR**

|       |              |                      |
|-------|--------------|----------------------|
| Q3301 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |
| Q3305 | 8-729-216-22 | TRANSISTOR 2SA1162-G |
| Q3306 | 8-729-216-22 | TRANSISTOR 2SA1162-G |
| Q3307 | 8-729-216-22 | TRANSISTOR 2SA1162-G |
| Q3308 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |
| Q3310 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |
| Q3312 | 8-729-216-22 | TRANSISTOR 2SA1162-G |
| Q3313 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |

**RESISTOR**

|       |              |                 |        |    |       |
|-------|--------------|-----------------|--------|----|-------|
| R3301 | 1-216-075-00 | METAL GLAZE     | 12K    | 5% | 1/10W |
| R3302 | 1-216-043-91 | METAL GLAZE     | 560    | 5% | 1/10W |
| R3303 | 1-216-295-91 | CONDUCTOR, CHIP | (2012) |    |       |
| R3304 | 1-216-043-91 | METAL GLAZE     | 560    | 5% | 1/10W |
| R3306 | 1-215-882-00 | METAL OXIDE     | 22     | 5% | 2W F  |
| R3307 | 1-216-097-91 | METAL GLAZE     | 100K   | 5% | 1/10W |
| R3308 | 1-216-051-00 | METAL GLAZE     | 1.2K   | 5% | 1/10W |
| R3309 | 1-216-051-00 | METAL GLAZE     | 1.2K   | 5% | 1/10W |

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**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



| REF.NO. | PART NO.     | DESCRIPTION            | REMARK        |
|---------|--------------|------------------------|---------------|
| R3310   | 1-216-689-11 | METAL GLAZE            | 39K 5% 1/10W  |
| R3311   | 1-216-689-11 | METAL GLAZE            | 39K 5% 1/10W  |
| R3312   | 1-216-037-00 | METAL GLAZE            | 330 5% 1/10W  |
| R3313   | 1-216-041-00 | METAL GLAZE            | 470 5% 1/10W  |
| R3314   | 1-216-041-00 | METAL GLAZE            | 470 5% 1/10W  |
| R3315   | 1-216-041-00 | METAL GLAZE            | 470 5% 1/10W  |
| R3316   | 1-216-053-00 | METAL GLAZE            | 1.5K 5% 1/10W |
| R3319   | 1-216-053-00 | METAL GLAZE            | 1.5K 5% 1/10W |
| R3321   | 1-216-053-00 | METAL GLAZE            | 1.5K 5% 1/10W |
| R3322   | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W |
| R3323   | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W |
| R3324   | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W |
| R3326   | 1-216-037-00 | METAL GLAZE            | 330 5% 1/10W  |
| R3327   | 1-216-031-00 | METAL GLAZE            | 180 5% 1/10W  |
| R3328   | 1-216-037-00 | METAL GLAZE            | 330 5% 1/10W  |
| R3329   | 1-216-069-00 | METAL GLAZE            | 6.8K 5% 1/10W |
| R3330   | 1-216-035-00 | METAL GLAZE            | 270 5% 1/10W  |
| R3331   | 1-216-073-00 | METAL GLAZE            | 10K 5% 1/10W  |
| R3332   | 1-216-041-00 | METAL GLAZE            | 470 5% 1/10W  |
| R3337   | 1-216-033-00 | METAL GLAZE            | 220 5% 1/10W  |
| R3338   | 1-216-033-00 | METAL GLAZE            | 220 5% 1/10W  |
| R3339   | 1-216-041-00 | METAL GLAZE            | 470 5% 1/10W  |
| R3340   | 1-216-041-00 | METAL GLAZE            | 470 5% 1/10W  |
| R3341   | 1-216-057-00 | METAL GLAZE            | 2.2K 5% 1/10W |
| R3342   | 1-216-057-00 | METAL GLAZE            | 2.2K 5% 1/10W |
| R3343   | 1-216-049-91 | METAL GLAZE            | 1K 5% 1/10W   |
| R3346   | 1-216-049-91 | METAL GLAZE            | 1K 5% 1/10W   |
| R3351   | 1-216-295-91 | CONDUCTOR, CHIP (2012) |               |
| R3352   | 1-216-049-91 | METAL GLAZE            | 1K 5% 1/10W   |
| R3358   | 1-216-047-91 | METAL GLAZE            | 820 5% 1/10W  |
| R3359   | 1-216-047-91 | METAL GLAZE            | 820 5% 1/10W  |
| R3360   | 1-216-053-00 | METAL GLAZE            | 1.5K 5% 1/10W |
| R3361   | 1-216-053-00 | METAL GLAZE            | 1.5K 5% 1/10W |
| R3362   | 1-216-029-00 | METAL GLAZE            | 150 5% 1/10W  |
| R3363   | 1-216-031-00 | METAL GLAZE            | 180 5% 1/10W  |
| R3364   | 1-216-035-00 | METAL GLAZE            | 270 5% 1/10W  |
| R3365   | 1-216-105-91 | METAL GLAZE            | 220K 5% 1/10W |
| R3366   | 1-216-105-91 | METAL GLAZE            | 220K 5% 1/10W |
| R3367   | 1-216-095-00 | METAL GLAZE            | 82K 5% 1/10W  |
| R3368   | 1-216-103-00 | METAL GLAZE            | 180K 5% 1/10W |
| R3369   | 1-216-101-00 | METAL GLAZE            | 150K 5% 1/10W |
| R3370   | 1-216-041-00 | METAL GLAZE            | 470 5% 1/10W  |
| R3371   | 1-216-095-00 | METAL GLAZE            | 82K 5% 1/10W  |
| R3372   | 1-216-041-00 | METAL GLAZE            | 470 5% 1/10W  |
| R3373   | 1-216-035-00 | METAL GLAZE            | 270 5% 1/10W  |

#### CRYSTAL

|       |              |                     |
|-------|--------------|---------------------|
| X3301 | 1-567-505-11 | OSCILLATOR, CRYSTAL |
| X3302 | 1-760-095-21 | VIBRATOR, CRYSTAL   |

REF.NO. PART NO. DESCRIPTION REMARK

**AV**

- \* A-1297-720-A AV BOARD, COMPLETE (EXCEPT KV-32V26)
- \* A-1297-850-A AV BOARD, COMPLETE (KV-32V36)

#### CAPACITOR

|       |              |              |          |                   |
|-------|--------------|--------------|----------|-------------------|
| C101  | 1-126-960-11 | ELECT        | 1MF      | 20% 50V           |
|       |              |              |          | (except KV-32V26) |
| C102  | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% 50V           |
|       |              |              |          | (except KV-32V26) |
| C104  | 1-126-964-11 | ELECT        | 10MF     | 20% 50V           |
|       |              |              |          | (except KV-32V26) |
| C106  | 1-104-664-11 | ELECT        | 47MF     | 20% 25V           |
|       |              |              |          | (except KV-32V26) |
| C108  | 1-126-933-11 | ELECT        | 100MF    | 20% 16V           |
|       |              |              |          | (except KV-32V26) |
| C109  | 1-163-259-91 | CERAMIC CHIP | 220PF    | 5% 50V            |
|       |              |              |          | (except KV-32V26) |
| C110  | 1-104-760-11 | CERAMIC CHIP | 0.047MF  | 10% 50V           |
|       |              |              |          | (except KV-32V26) |
| C111  | 1-126-960-11 | ELECT        | 1MF      | 20% 50V           |
|       |              |              |          | (except KV-32V26) |
| C113  | 1-126-934-11 | ELECT        | 220MF    | 20% 16V           |
|       |              |              |          | (except KV-32V26) |
| C1902 | 1-126-964-11 | ELECT        | 10MF     | 20% 50V           |
| C1903 | 1-102-129-00 | CERAMIC      | 0.01MF   | 10% 50V           |
| C1904 | 1-102-129-00 | CERAMIC      | 0.01MF   | 10% 50V           |
| C1905 | 1-126-964-11 | ELECT        | 10MF     | 20% 50V           |
| C1906 | 1-102-129-00 | CERAMIC      | 0.01MF   | 10% 50V           |
| C1907 | 1-126-964-11 | ELECT        | 10MF     | 20% 50V           |
| C1908 | 1-102-074-00 | CERAMIC      | 0.001MF  | 10% 50V           |
| C1909 | 1-102-074-00 | CERAMIC      | 0.001MF  | 10% 50V           |
| C1910 | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10% 50V           |
| C1911 | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10% 50V           |

#### CONNECTOR

|       |                |                                      |
|-------|----------------|--------------------------------------|
| CN101 | 1-573-301-21   | CONNECTOR, BOARD TO BOARD 20P        |
| CN102 | 1-573-979-21   | CONNECTOR, BOARD TO BOARD 11P        |
| CN103 | * 1-564-507-11 | PLUG, CONNECTOR 4P (except KV-32V26) |
| CN106 | * 1-564-506-11 | PLUG, CONNECTOR 3P                   |

#### DIODE

|      |              |                                    |
|------|--------------|------------------------------------|
| D101 | 8-719-109-89 | DIODE RD5.6ESB2 (except KV-32V26)  |
| D103 | 8-719-991-33 | DIODE 1SS133T-77                   |
| D104 | 8-719-991-33 | DIODE 1SS133T-77 (except KV-32V26) |

#### IC

|        |              |                 |
|--------|--------------|-----------------|
| IC1901 | 8-752-058-68 | IC CXA1315M     |
| IC1902 | 8-759-981-61 | IC LM2901M      |
| IC1903 | 8-759-356-27 | IC NJM2129M-TE2 |

**AV**

**Note:** The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO.           | PART NO.     | DESCRIPTION            | REMARK                        |
|-------------------|--------------|------------------------|-------------------------------|
| <u>COIL</u>       |              |                        |                               |
| L102              | 1-410-470-11 | INDUCTOR 10UH          | (except KV-32V26)             |
| L105              | 1-408-421-00 | INDUCTOR 100UH         | (except KV-32V26)             |
| <u>TRANSISTOR</u> |              |                        |                               |
| Q101              | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | (except KV-32V26)             |
| Q103              | 8-729-216-22 | TRANSISTOR 2SA1162-G   | (except KV-32V26)             |
| Q104              | 8-729-216-22 | TRANSISTOR 2SA1162-G   | (except KV-32V26)             |
| Q105              | 8-729-216-22 | TRANSISTOR 2SA1162-G   | (except KV-32V26)             |
| Q1901             | 8-729-216-22 | TRANSISTOR 2SA1162-G   |                               |
| Q1902             | 8-729-216-22 | TRANSISTOR 2SA1162-G   |                               |
| Q1906             | 8-729-216-22 | TRANSISTOR 2SA1162-G   |                               |
| Q1908             | 8-729-216-22 | TRANSISTOR 2SA1162-G   |                               |
| Q1911             | 8-729-422-27 | TRANSISTOR 2SD601A-Q   |                               |
| Q1912             | 8-729-422-27 | TRANSISTOR 2SD601A-Q   |                               |
| Q1914             | 8-729-216-22 | TRANSISTOR 2SA1162-G   |                               |
| Q1916             | 8-729-422-27 | TRANSISTOR 2SD601A-Q   |                               |
| Q1917             | 8-729-422-27 | TRANSISTOR 2SD601A-Q   |                               |
| Q1918             | 8-729-422-27 | TRANSISTOR 2SD601A-Q   |                               |
| Q1919             | 8-729-422-27 | TRANSISTOR 2SD601A-Q   |                               |
| <u>RESISTOR</u>   |              |                        |                               |
| R101              | 1-216-065-00 | METAL GLAZE 4.7K       | 5% 1/10W<br>(except KV-32V26) |
| R102              | 1-216-083-00 | METAL GLAZE 27K        | 5% 1/10W<br>(except KV-32V26) |
| R103              | 1-216-689-11 | METAL GLAZE 39K        | 5% 1/10W<br>(except KV-32V26) |
| R104              | 1-216-045-00 | METAL GLAZE 680        | 5% 1/10W<br>(except KV-32V26) |
| R106              | 1-216-081-00 | METAL GLAZE 22K        | 5% 1/10W<br>(except KV-32V26) |
| R107              | 1-216-081-00 | METAL GLAZE 22K        | 5% 1/10W<br>(except KV-32V26) |
| R108              | 1-216-081-00 | METAL GLAZE 22K        | 5% 1/10W<br>(except KV-32V26) |
| R109              | 1-216-081-00 | METAL GLAZE 22K        | 5% 1/10W<br>(except KV-32V26) |
| R112              | 1-249-421-11 | CARBON 2.2K            | 5% 1/4W<br>(except KV-32V26)  |
| R113              | 1-216-097-91 | METAL GLAZE 100K       | 5% 1/10W<br>(except KV-32V26) |
| R114              | 1-216-121-91 | METAL GLAZE 1M         | 5% 1/10W<br>(except KV-32V26) |
| R115              | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W<br>(except KV-32V26) |
| R116              | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W<br>(except KV-32V26) |
| R117              | 1-216-065-00 | METAL GLAZE 4.7K       | 5% 1/10W<br>(except KV-32V26) |
| R1904             | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W                      |

| REF.NO.        | PART NO.     | DESCRIPTION            | REMARK            |
|----------------|--------------|------------------------|-------------------|
| R1905          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R1906          | 1-216-025-91 | METAL GLAZE 100        | 5% 1/10W          |
| R1907          | 1-216-089-91 | METAL GLAZE 47K        | 5% 1/10W          |
| R1908          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R1909          | 1-216-041-00 | METAL GLAZE 470        | 5% 1/10W          |
| R1910          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R1911          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R1915          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R1916          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R1922          | 1-216-043-91 | METAL GLAZE 560        | 5% 1/10W          |
| R1923          | 1-216-043-91 | METAL GLAZE 560        | 5% 1/10W          |
| R1928          | 1-216-041-00 | METAL GLAZE 470        | 5% 1/10W          |
| R1929          | 1-216-089-91 | METAL GLAZE 47K        | 5% 1/10W          |
| R1930          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R1931          | 1-216-025-91 | METAL GLAZE 100        | 5% 1/10W          |
| R1932          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R1934          | 1-216-097-91 | METAL GLAZE 100K       | 5% 1/10W          |
| R1935          | 1-216-295-91 | CONDUCTOR, CHIP (2012) |                   |
| R1936          | 1-208-804-11 | METAL GLAZE 8.2K       | 0.50% 1/10W       |
| R1937          | 1-208-790-11 | METAL GLAZE 2.2K       | 0.50% 1/10W       |
| R1940          | 1-216-065-00 | METAL GLAZE 4.7K       | 5% 1/10W          |
| R2901          | 1-208-808-11 | METAL GLAZE 12K        | 0.50% 1/10W       |
| R2903          | 1-216-065-00 | METAL GLAZE 4.7K       | 5% 1/10W          |
| R2904          | 1-216-033-00 | METAL GLAZE 220        | 5% 1/10W          |
| R2905          | 1-216-033-00 | METAL GLAZE 220        | 5% 1/10W          |
| R2906          | 1-216-033-00 | METAL GLAZE 220        | 5% 1/10W          |
| R2907          | 1-216-065-00 | METAL GLAZE 4.7K       | 5% 1/10W          |
| R2908          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R2909          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R2910          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R2911          | 1-216-061-00 | METAL GLAZE 3.3K       | 5% 1/10W          |
| R2912          | 1-249-425-11 | CARBON 4.7K            | 5% 1/4W           |
| R2913          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R2914          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R2916          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R2917          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| R2918          | 1-216-073-00 | METAL GLAZE 10K        | 5% 1/10W          |
| <u>TUNER</u>   |              |                        |                   |
| TU101 $\Delta$ | 8-598-339-00 | TUNER BTF-LA402        | (except KV-32V26) |

Note:

The components identified by shading  
and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Note:

Les composants identifiés par un trame et  
une marque  $\Delta$  sont critiques pour la  
sécurité. Ne les remplacer que par une  
pièce portant le numéro spécifié.

**A**

REF.NO. PART NO. DESCRIPTION REMARK

**A**

- \* A-1298-062-A A BOARD COMPLETE (KV-32V26)
- \* A-1298-082-A A BOARD COMPLETE (KV-32V36/34V36C)
- \* A-1298-087-A A BOARD COMPLETE (KV-35V36/37V36M)
- \* A-1298-088-A A BOARD COMPLETE (KV-35V76)

- \* 4-051-927-01 CASE, SHIELD
- 4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

|      |              |              |          |       |       |
|------|--------------|--------------|----------|-------|-------|
| C001 | 1-163-259-91 | CERAMIC CHIP | 220PF    | 5%    | 50V   |
| C003 | 1-104-760-11 | CERAMIC CHIP | 0.047MF  | 10%   | 50V   |
| C005 | 1-126-960-11 | ELECT        | 1MF      | 20%   | 50V   |
| C009 | 1-126-967-11 | ELECT        | 47MF     | 20%   | 50V   |
| C010 | 1-163-033-91 | CERAMIC CHIP | 0.022MF  |       | 50V   |
| C012 | 1-216-033-00 | METAL GLAZE  | 220      | 5%    | 1/10W |
| C013 | 1-216-121-91 | METAL GLAZE  | 1M       | 5%    | 1/10W |
| C014 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10%   | 50V   |
| C023 | 1-163-259-91 | CERAMIC CHIP | 220PF    | 5%    | 50V   |
| C028 | 1-163-227-11 | CERAMIC CHIP | 10PF     | 0.5PF | 50V   |
| C029 | 1-163-227-11 | CERAMIC CHIP | 10PF     | 0.5PF | 50V   |
| C030 | 1-163-009-11 | CERAMIC CHIP | 0.001MF  | 10%   | 50V   |
| C035 | 1-163-237-11 | CERAMIC CHIP | 27PF     | 5%    | 50V   |
| C036 | 1-163-231-11 | CERAMIC CHIP | 15PF     | 5%    | 50V   |
| C037 | 1-163-243-11 | CERAMIC CHIP | 47PF     | 5%    | 50V   |
| C038 | 1-163-243-11 | CERAMIC CHIP | 47PF     | 5%    | 50V   |
| C039 | 1-163-243-11 | CERAMIC CHIP | 47PF     | 5%    | 50V   |
| C040 | 1-163-243-11 | CERAMIC CHIP | 47PF     | 5%    | 50V   |
| C051 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10%   | 50V   |
| C053 | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10%   | 50V   |
| C056 | 1-163-243-11 | CERAMIC CHIP | 47PF     | 5%    | 50V   |
| C061 | 1-163-033-91 | CERAMIC CHIP | 0.022MF  |       | 50V   |
| C062 | 1-163-033-91 | CERAMIC CHIP | 0.022MF  |       | 50V   |
| C063 | 1-126-935-11 | ELECT        | 470MF    | 20%   | 16V   |
| C071 | 1-164-096-11 | CERAMIC      | 0.01MF   |       | 50V   |
| C072 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10%   | 50V   |
| C075 | 1-107-823-11 | CERAMIC CHIP | 0.47MF   | 10%   | 16V   |
| C353 | 1-163-231-11 | CERAMIC CHIP | 15PF     | 5%    | 50V   |
| C354 | 1-163-133-00 | CERAMIC CHIP | 470PF    | 5%    | 50V   |
| C355 | 1-126-959-11 | ELECT        | 0.47MF   | 20%   | 50V   |
| C356 | 1-126-963-11 | ELECT        | 4.7MF    | 20%   | 50V   |
| C357 | 1-126-959-11 | ELECT        | 0.47MF   | 20%   | 50V   |
| C358 | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10%   | 50V   |
| C359 | 1-126-933-11 | ELECT        | 100MF    | 20%   | 16V   |
| C363 | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10%   | 50V   |
| C364 | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10%   | 50V   |
| C365 | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10%   | 50V   |
| C366 | 1-137-399-11 | FILM         | 0.1MF    | 5%    | 50V   |

REF.NO. PART NO. DESCRIPTION REMARK

|                               |              |              |          |     |     |
|-------------------------------|--------------|--------------|----------|-----|-----|
| C367                          | 1-137-399-11 | FILM         | 0.1MF    | 5%  | 50V |
| C368                          | 1-137-399-11 | FILM         | 0.1MF    | 5%  | 50V |
| C369                          | 1-163-243-11 | CERAMIC CHIP | 47PF     | 5%  | 50V |
| C370                          | 1-163-037-11 | CERAMIC CHIP | 0.022MF  | 10% | 50V |
| C371                          | 1-163-141-00 | CERAMIC CHIP | 0.001MF  | 5%  | 50V |
| C372                          | 1-126-959-11 | ELECT        | 0.47MF   | 20% | 50V |
| C373                          | 1-126-960-11 | ELECT        | 1MF      | 20% | 50V |
| C376                          | 1-126-964-11 | ELECT        | 10MF     | 20% | 50V |
| C377                          | 1-137-399-11 | FILM         | 0.1MF    | 5%  | 50V |
| C378                          | 1-136-244-11 | FILM         | 0.1MF    | 5%  | 50V |
| C379                          | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10% | 50V |
| C380                          | 1-126-935-11 | ELECT        | 470MF    | 20% | 16V |
| C381                          | 1-163-003-11 | CERAMIC CHIP | 330PF    | 10% | 50V |
| C383                          | 1-137-399-11 | FILM         | 0.1MF    | 5%  | 50V |
| C385                          | 1-164-182-11 | CERAMIC CHIP | 0.0033MF | 10% | 50V |
| C386                          | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10% | 50V |
| C387                          | 1-126-961-11 | ELECT        | 2.2MF    | 20% | 50V |
| C388                          | 1-126-959-11 | ELECT        | 0.47MF   | 20% | 50V |
| C390                          | 1-126-960-11 | ELECT        | 1MF      | 20% | 50V |
| C391                          | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C392                          | 1-163-251-11 | CERAMIC CHIP | 100PF    | 5%  | 50V |
| C461                          | 1-126-964-11 | ELECT        | 10MF     | 20% | 50V |
| (KV-32V26/35V36/37V36M/35V76) |              |              |          |     |     |
| C461                          | 1-126-964-11 | ELECT        | 33MF     | 20% | 25V |
| (KV-32V36/34V36C)             |              |              |          |     |     |
| C462                          | 1-126-961-11 | ELECT        | 2.2MF    | 20% | 50V |
| C463                          | 1-126-961-11 | ELECT        | 2.2MF    | 20% | 50V |
| C464                          | 1-163-017-00 | CERAMIC CHIP | .0047MF  | 10% | 50V |
| (KV-32V36/34V36C)             |              |              |          |     |     |
| C466                          | 1-104-666-11 | ELECT        | 220MF    | 20% | 25V |
| C467                          | 1-163-017-00 | CERAMIC CHIP | .0047MF  | 10% | 50V |
| (KV-32V36/34V36C)             |              |              |          |     |     |
| C468                          | 1-104-664-11 | ELECT        | 47MF     | 20% | 25V |
| C470                          | 1-126-961-11 | ELECT        | 2.2MF    | 20% | 50V |
| C471                          | 1-104-666-11 | ELECT        | 220MF    | 20% | 25V |
| C472                          | 1-136-173-00 | FILM         | 0.47MF   | 5%  | 50V |
| C473                          | 1-136-169-00 | FILM         | 0.22MF   | 5%  | 50V |
| C474                          | 1-126-942-61 | ELECT        | 1000MF   | 20% | 25V |
| C475                          | 1-136-169-00 | FILM         | 0.22MF   | 5%  | 50V |
| C476                          | 1-126-942-61 | ELECT        | 1000MF   | 20% | 25V |
| (KV-32V36/35V36/37V36M)       |              |              |          |     |     |
| C477                          | 1-126-942-61 | ELECT        | 1000MF   | 20% | 25V |
| (KV-32V36/35V36/37V36M)       |              |              |          |     |     |
| C478                          | 1-126-934-11 | ELECT        | 220MF    | 20% | 16V |
| (KV-32V36/34V36C/35V76)       |              |              |          |     |     |
| C478                          | 1-126-965-11 | ELECT        | 22MF     | 20% | 50V |
| (KV-35V36/37V36M)             |              |              |          |     |     |
| C479                          | 1-126-964-11 | ELECT        | 10MF     | 20% | 50V |
| (KV-35V76)                    |              |              |          |     |     |
| C479                          | 1-126-961-11 | ELECT        | 2.2MF    | 20% | 50V |
| (KV-35V36/37V36M)             |              |              |          |     |     |



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**Note:** Les composants identifiés par un triangle et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO.       | PART NO.     | DESCRIPTION  | REMARK                                      |
|---------------|--------------|--------------|---|
| C501          | 1-102-110-00 | CERAMIC      | 220PF 10% 50V                               |
| C502          | 1-126-959-11 | ELECT        | 0.47MF 20% 50V                              |
| C503          | 1-163-003-11 | CERAMIC CHIP | 330PF 10% 50V                               |
| C504          | 1-102-212-00 | CERAMIC      | 820PF 10% 500V                              |
| C505          | 1-102-002-00 | CERAMIC      | 680PF 10% 500V                              |
| C506          | 1-106-383-00 | MYLAR        | 0.047MF 10% 200V                            |
| C507 $\Delta$ | 1-162-116-00 | CERAMIC      | 680PF 10% 2KV                               |
| C508          | 1-102-244-00 | CERAMIC      | 220PF 10% 500V                              |
| C509          | 1-162-116-00 | CERAMIC      | 680PF 10% 2KV                               |
| C510          | 1-137-150-11 | MYLAR        | 0.01MF 10% 100V                             |
| C511 $\Delta$ | 1-115-460-11 | FILM         | 0.022MF 3% 1.2KV                            |
| C513 $\Delta$ | 1-129-720-00 | FILM         | 0.033MF 5% 630V<br>(KV-35V36/37V36M/35V76)  |
| C513 $\Delta$ | 1-130-895-00 | FILM         | 0.056MF 5% 400V<br>(KV-32V26/32V36M/34V36C) |
| C514 $\Delta$ | 1-136-540-11 | FILM         | 0.82MF 5% 200V<br>(KV-35V36/37V36M/35V76)   |
| C514 $\Delta$ | 1-104-844-11 | FILM         | 0.62MF 5% 200V<br>(KV-32V26/32V36M/34V36C)  |
| C515          | 1-106-343-00 | MYLAR        | 0.001MF 10% 100V                            |
| C516          | 1-115-461-11 | FILM         | 2MF 5% 200V                                 |
| C517          | 1-107-649-11 | ELECT        | 2.2MF 20% 250V                              |
| C518          | 1-106-395-00 | MYLAR        | 0.15MF 10% 200V                             |
| C519          | 1-162-815-11 | CERAMIC      | 47PF 5% 500V                                |
| C520          | 1-164-645-11 | CERAMIC      | 1000PF 10% 500V                             |
| C521          | 1-164-161-11 | CERAMIC CHIP | 0.0022MF 10% 50V                            |
| C522          | 1-126-960-11 | ELECT        | 1MF 20% 50V                                 |
| C525          | 1-102-244-00 | CERAMIC      | 220PF 10% 500V                              |
| C526          | 1-107-662-11 | ELECT        | 22MF 20% 250V                               |
| C527          | 1-162-116-00 | CERAMIC      | 680PF 10% 2KV                               |
| C528          | 1-164-161-11 | CERAMIC CHIP | 0.0022MF 10% 50V                            |
| C529          | 1-128-551-11 | ELECT        | 22MF 20% 25V                                |
| C530          | 1-137-366-11 | FILM         | 0.0022MF 5% 50V                             |
| C531          | 1-126-965-11 | ELECT        | 22MF 20% 50V                                |
| C532          | 1-126-965-11 | ELECT        | 22MF 20% 50V                                |
| C537          | 1-126-942-61 | ELECT        | 1000MF 20% 25V<br>(KV-35V36/37V36M/35V76)   |
| C537          | 1-126-941-11 | ELECT        | 470MF 20% 25V<br>(KV-32V26/32V36/34V36C)    |
| C539 $\Delta$ | 1-107-914-11 | ELECT        | 1000MF 20% 25V<br>(KV-35V36/37V36M/35V76)   |
| C539 $\Delta$ | 1-126-935-11 | ELECT        | 470MF 20% 16V<br>(KV-32V26/32V36/34V36C)    |
| C540          | 1-123-024-21 | ELECT        | 33MF 160V                                   |
| C541          | 1-128-560-11 | ELECT        | 22MF 20% 100V                               |
| C542          | 1-106-383-00 | MYLAR        | 0.047MF 10% 200V<br>(KV-35V36/37V36M/35V76) |
| C543          | 1-162-131-11 | CERAMIC      | 220PF 10% 2KV<br>(KV-35V36/37V36M/35V76)    |
| C545          | 1-106-387-00 | MYLAR        | 0.068MF 10% 200V                            |
| C546          | 1-106-343-00 | MYLAR        | 0.001MF 10% 100V                            |

| REF.NO. | PART NO.     | DESCRIPTION     | REMARK  |
|---------|--------------|-----------------|---|
| C547    | 1-106-343-00 | MYLAR           | 0.001MF 10% 100V                                  |
| C551    | 1-163-037-11 | CERAMIC CHIP    | 0.022MF 10% 50V                                   |
| C561    | 1-126-967-11 | ELECT           | 47MF 20% 50V                                      |
| C563    | 1-126-923-11 | ELECT           | 220MF 20% 10V                                     |
| C564    | 1-126-960-11 | ELECT           | 1MF 20% 50V                                       |
| C565    | 1-126-969-11 | ELECT           | 220MF 20% 50V                                     |
| C566    | 1-126-964-11 | ELECT           | 10MF 20% 50V                                      |
| C568    | 1-136-169-00 | FILM            | 0.22MF 5% 50V                                     |
| C571    | 1-104-664-11 | ELECT           | 47MF 20% 25V<br>(KV-32V26/32V36/34V36C)           |
| C1002   | 1-126-964-11 | ELECT           | 10MF 20% 50V                                      |
| C1101   | 1-126-768-11 | ELECT           | 2200MF 20% 16V                                    |
| C1103   | 1-126-965-11 | ELECT           | 22MF 20% 50V                                      |
| C1104   | 1-126-967-11 | ELECT           | 47MF 20% 16V                                      |
| C1105   | 1-126-967-11 | ELECT           | 47MF 20% 16V                                      |
| C1106   | 1-126-964-11 | ELECT           | 10MF 20% 50V                                      |
| C1107   | 1-163-037-11 | CERAMIC CHIP    | 0.022MF 10% 50V                                   |
| C1108   | 1-126-960-11 | ELECT           | 1MF 20% 50V                                       |
| C1109   | 1-126-964-11 | ELECT           | 10MF 20% 50V                                      |
| C1110   | 1-163-227-11 | CERAMIC CHIP    | 10PF 0.5PF 50V                                    |
| C1111   | 1-163-227-11 | CERAMIC CHIP    | 10PF 0.5PF 50V                                    |
| C1112   | 1-163-227-11 | CERAMIC CHIP    | 10PF 0.5PF 50V                                    |
| C1244   | 1-126-959-11 | ELECT           | 0.47MF 20% 50V                                    |
| C1245   | 1-126-959-11 | ELECT           | 0.47MF 20% 50V                                    |
| C1351   | 1-163-251-11 | CERAMIC CHIP    | 100PF 5% 50V                                      |
| C1352   | 1-126-933-11 | ELECT           | 100MF 20% 16V                                     |
| C1353   | 1-163-037-11 | CERAMIC CHIP    | 0.022MF 10% 50V                                   |
| C1354   | 1-216-295-91 | CONDUCTOR, CHIP | (2012)  |
| C1401   | 1-126-959-11 | ELECT           | 0.47MF 20% 50V                                    |
| C1402   | 1-126-964-11 | ELECT           | 10MF 20% 50V                                      |
| C1403   | 1-126-959-11 | ELECT           | 0.47MF 20% 50V                                    |
| C1404   | 1-165-319-11 | CERAMIC CHIP    | 0.1MF 50V   |
| C1405   | 1-165-319-11 | CERAMIC CHIP    | 0.1MF 50V   |
| C1406   | 1-165-319-11 | CERAMIC CHIP    | 0.1MF 50V   |
| C1407   | 1-165-319-11 | CERAMIC CHIP    | 0.1MF 50V   |
| C1408   | 1-164-161-11 | CERAMIC CHIP    | 0.0022MF 10% 50V<br>(KV-32V26/35V36/35V76/37V36M) |
| C1408   | 1-164-182-11 | CERAMIC CHIP    | 0.0033MF 10% 50V<br>(KV-32V36/34V36C)             |
| C1409   | 1-164-161-11 | CERAMIC CHIP    | 0.0022MF 10% 50V<br>(KV-32V26/35V36/35V76/37V36M) |
| C1409   | 1-164-182-11 | CERAMIC CHIP    | 0.0033MF 10% 50V<br>(KV-32V36/34V36C)             |
| C1410   | 1-164-161-11 | CERAMIC CHIP    | 0.0022MF 10% 50V<br>(KV-32V26/35V36/35V76/37V36M) |
| C1410   | 1-164-182-11 | CERAMIC CHIP    | 0.0033MF 10% 50V<br>(KV-32V36/34V36C)             |
| C1411   | 1-164-161-11 | CERAMIC CHIP    | 0.0022MF 10% 50V<br>(KV-32V26/35V36/35V76/37V36M) |
| C1408   | 1-164-182-11 | CERAMIC CHIP    | 0.0033MF 10% 50V<br>(KV-32V36/34V36C)             |

Note:

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A

| REF.NO. | PART NO.     | DESCRIPTION                 | REMARK |
|---------|--------------|-----------------------------|--------|
| C1412   | 1-126-961-11 | ELECT 2.2MF 20% 50V         |        |
| C1413   | 1-126-961-11 | ELECT 2.2MF 20% 50V         |        |
| C1414   | 1-164-489-11 | CERAMIC CHIP 0.22MF 10% 16V |        |
| C1415   | 1-126-965-11 | ELECT 22MF 20% 50V          |        |
| C1416   | 1-126-933-11 | ELECT 100MF 20% 16V         |        |
| C1417   | 1-126-767-11 | ELECT 1000MF 20% 16V        |        |
| C1420   | 1-164-005-11 | CERAMIC CHIP 0.47MF 25V     |        |
| C1501   | 1-115-462-11 | FILM 0.12MF 5% 200V         |        |

(KV-32V26/32V36/34V36C)

CONNECTOR

|        |                |  |  |
|--------|----------------|--|--|
| CN270  | 1-573-298-11   | CONNECTOR, BOARD TO BOARD 20P              |  |
| CN271  | 1-573-978-21   | CONNECTOR, BOARD TO BOARD 11P              |  |
| CN351  | * 1-564-509-11 | PLUG, CONNECTOR 6P                         |  |
| CN461  | * 1-564-510-11 | PLUG, CONNECTOR 7P (KV-32V36/34V36C/35V76) |  |
| CN461  | * 1-564-507-11 | PLUG, CONNECTOR 4P (KV-32V26/35V36/37V36M) |  |
| CN501  | * 1-580-798-11 | CONNECTOR PIN (DY) 6P                      |  |
| CN502  | * 1-508-784-00 | PIN, CONNECTOR (5MM PITCH) 1P              |  |
|        |                | (KV-35V36/37V36M/35V76)                    |  |
| CN503  | * 1-564-507-11 | PLUG, CONNECTOR 4P                         |  |
| CN1001 | * 1-564-512-11 | PLUG, CONNECTOR 9P                         |  |
| CN1101 | 1-573-298-11   | CONNECTOR, BOARD TO BOARD 20P              |  |
| CN1103 | 1-573-979-21   | CONNECTOR, BOARD TO BOARD 11P              |  |
| CN1231 | 1-564-511-11   | PLUG, CONNECTOR 8P                         |  |
| CN1641 | * 1-564-515-11 | PLUG, CONNECTOR 12P                        |  |
| CN1941 | 1-564-511-11   | PLUG, CONNECTOR 8P (KV-35V36/37V36M/35V76) |  |
| CN1941 | 1-564-508-11   | PLUG, CONNECTOR 5P (KV-32V36/34V36C)       |  |

|        |              |                               |  |
|--------|--------------|-------------------------------|--|
| CN3001 | 1-573-298-11 | CONNECTOR, BOARD TO BOARD 20P |  |
|--------|--------------|-------------------------------|--|

DIODE

|      |              |                     |  |
|------|--------------|---------------------|--|
| D001 | 8-719-991-33 | DIODE 1SS133T-77    |  |
| D002 | 8-719-109-89 | DIODE RD5.6ESB2     |  |
| D003 | 8-719-991-33 | DIODE 1SS133T-77    |  |
| D004 | 8-719-110-17 | DIODE RD10ESB2      |  |
| D011 | 8-719-983-14 | DIODE MTZJ-T-77-3.9 |  |

|      |              |                  |  |
|------|--------------|------------------|--|
| D013 | 8-719-991-33 | DIODE 1SS133T-77 |  |
| D014 | 8-719-991-33 | DIODE 1SS133T-77 |  |
| D015 | 8-719-991-33 | DIODE 1SS133T-77 |  |
| D353 | 8-719-991-33 | DIODE 1SS133T-77 |  |
| D356 | 8-719-991-33 | DIODE 1SS133T-77 |  |

|      |              |                  |  |
|------|--------------|------------------|--|
| D360 | 8-719-110-17 | DIODE RD10ESB2   |  |
| D362 | 8-719-991-33 | DIODE 1SS133T-77 |  |
| D368 | 8-719-991-33 | DIODE 1SS133T-77 |  |
| D462 | 8-719-991-33 | DIODE 1SS133T-77 |  |
| D501 | 8-719-109-89 | DIODE RD5.6ESB2  |  |

|      |              |                 |  |
|------|--------------|-----------------|--|
| D502 | 8-719-945-80 | DIODE ERC06-15S |  |
| D503 | 8-719-945-80 | DIODE ERC06-15S |  |
| D504 | 8-719-900-26 | DIODE ERD29-08J |  |
| D505 | 8-719-908-03 | DIODE GP08D     |  |
| D506 | 8-719-908-03 | DIODE GP08D     |  |

| REF.NO. | PART NO.              | DESCRIPTION      | REMARK |
|---------|-----------------------|------------------|--------|
| D507    | 8-719-991-33          | DIODE 1SS133T-77 |        |
| D515    | 8-719-302-43          | DIODE EL1Z       |        |
| D516    | 8-719-991-33          | DIODE 1SS133T-77 |        |
| D518    | 8-719-991-33          | DIODE 1SS133T-77 |        |
| D519    | $\Delta$ 8-719-302-43 | DIODE EL1Z       |        |
| D520    | 8-719-991-33          | DIODE 1SS133T-77 |        |
| D521    | 8-719-921-63          | DIODE MTZJ-7.5B  |        |
| D530    | 8-719-979-85          | DIODE EGP20G     |        |
| D531    | 8-719-979-85          | DIODE EGP20G     |        |
| D534    | 8-719-302-43          | DIODE EL1Z       |        |

|      |              |                         |  |
|------|--------------|-------------------------|--|
| D535 | 8-719-028-72 | DIODE RGP02-17PKG23     |  |
|      |              | (KV-35V36/37V36M/35V76) |  |

|       |              |                  |  |
|-------|--------------|------------------|--|
| D561  | 8-719-908-03 | DIODE GP08D      |  |
| D562  | 8-719-991-33 | DIODE 1SS133T-77 |  |
| D1102 | 8-719-982-24 | DIODE MTZJ-33A   |  |
| D1103 | 8-719-109-89 | DIODE RD5.6ESB2  |  |

|       |              |                |  |
|-------|--------------|----------------|--|
| D1248 | 8-719-981-99 | DIODE MTZJ-3.3 |  |
| D1263 | 8-719-110-17 | DIODE RD10ESB2 |  |
| D1264 | 8-719-110-17 | DIODE RD10ESB2 |  |

FERRITE BEAD

|       |              |                       |        |
|-------|--------------|-----------------------|--------|
| FB501 | 1-410-396-41 | FERRITE BEAD INDUCTOR | 0.45UH |
| FB502 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH  |
| FB503 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH  |

IC

|       |              |                  |  |
|-------|--------------|------------------|--|
| IC001 | 8-752-880-88 | IC CXP85840-002S |  |
| IC002 | 8-759-354-28 | IC ST24C02FM6TR  |  |
| IC351 | 8-752-076-76 | IC CXA2025AS     |  |
| IC461 | 8-759-980-43 | IC TDA2009A      |  |
| IC501 | 8-759-700-07 | IC NJM2903M      |  |

|        |              |                |                         |
|--------|--------------|----------------|-------------------------|
| IC561  | 8-759-192-71 | IC STV9379     | (KV-35V36/37V36M/35V76) |
| IC561  | 8-759-980-58 | IC STV9379     | (KV-32V26/32V36/34V36C) |
| IC1001 | 8-752-058-68 | IC CXA1315M    |                         |
| IC1401 | 8-759-369-39 | IC BH3856FS-E2 |                         |
| IC1402 | 8-759-100-96 | IC UPC4558G2   |                         |

CHIP CONDUCTOR

|       |              |                         |        |
|-------|--------------|-------------------------|--------|
| JR001 | 1-216-295-91 | CONDUCTOR, CHIP         | (2012) |
| JR164 | 1-216-295-91 | CONDUCTOR, CHIP         | (2012) |
| JR165 | 1-216-295-91 | CONDUCTOR, CHIP         | (2012) |
| JR240 | 1-216-295-91 | CONDUCTOR, CHIP         | (2012) |
| JR501 | 1-216-295-91 | CONDUCTOR, CHIP         | (2012) |
|       |              | (KV-32V26/32V36/34V36C) |        |

|        |              |                 |        |
|--------|--------------|-----------------|--------|
| JR1351 | 1-216-295-91 | CONDUCTOR, CHIP | (2012) |
| JR1352 | 1-216-295-91 | CONDUCTOR, CHIP | (2012) |
| JR4101 | 1-216-295-91 | CONDUCTOR, CHIP | (2012) |
| JR4108 | 1-216-295-91 | CONDUCTOR, CHIP | (2012) |
| JR4110 | 1-216-295-91 | CONDUCTOR, CHIP | (2012) |





**Note:** The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

**Note:** Les composants identifiés par un trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO.                 | PART NO.     | DESCRIPTION                            | REMARK                  |
|-------------------------|--------------|--|-------------------------|
| JR4114                  | 1-216-295-91 | CONDUCTOR, CHIP (2012)                 |                         |
| JR4116                  | 1-216-295-91 | CONDUCTOR, CHIP (2012)                 |                         |
| JR4120                  | 1-216-295-91 | CONDUCTOR, CHIP (2012)                 |                         |
| <b>COIL</b>             |              |  |                         |
| L001                    | 1-408-421-00 | INDUCTOR                               | 100UH                   |
| L002                    | 1-408-421-00 | INDUCTOR                               | 100UH                   |
| L003                    | 1-410-470-11 | INDUCTOR                               | 10UH                    |
| L004                    | 1-410-470-11 | INDUCTOR                               | 10UH                    |
| L352                    | 1-412-537-31 | INDUCTOR                               | 100UH                   |
| L461                    | 1-408-424-00 | INDUCTOR                               | 180UH (KV-35V76)        |
| L461                    | 1-408-425-00 | INDUCTOR                               | 220UH (KV-35V36/37V36M) |
| L461                    | 1-408-418-00 | INDUCTOR                               | 56UH (KV-32V36/34V36C)  |
| L461                    | 1-410-472-41 | INDUCTOR                               | 15UH (KV-32V26)         |
| L501 Δ                  | 1-409-861-11 | COIL, HORIZONTAL LINEARITY             |                         |
| L502                    | 1-412-552-11 | INDUCTOR                               | 2.2MMH                  |
| L503                    | 1-406-677-11 | COIL, CHOKE                            | 10MMH                   |
| L511                    | 1-406-607-11 | COIL, CHOKE                            | 15MMH                   |
| L517                    | 1-412-552-11 | INDUCTOR                               | 2.2MMH                  |
| L541                    | 1-406-677-11 | COIL, CHOKE                            | 10MMH                   |
| (KV-35V36/37V36M/35V76) |              |  |                         |
| L1101                   | 1-408-421-00 | INDUCTOR                               | 100UH                   |
| L1102                   | 1-410-470-11 | INDUCTOR                               | 10UH                    |
| L1401                   | 1-410-494-11 | INDUCTOR                               | 1MMH                    |
| <b>IC LINK</b>          |              |  |                         |
| PS461 Δ                 | 1-532-984-11 | LINK, IC 2A/90V                        |                         |
| <b>TRANSISTOR</b>       |              |  |                         |
| Q001                    | 8-729-216-22 | TRANSISTOR 2SA1162-G                   |                         |
| Q002                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q003                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q004                    | 8-729-216-22 | TRANSISTOR 2SA1162-G                   |                         |
| Q010                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q011                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q012                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q013                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q014                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q015                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q016                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q017                    | 8-729-216-22 | TRANSISTOR 2SA1162-G                   |                         |
| Q301                    | 8-729-216-22 | TRANSISTOR 2SA1162-G                   |                         |
| Q302                    | 8-729-216-22 | TRANSISTOR 2SA1162-G                   |                         |
| Q303                    | 8-729-216-22 | TRANSISTOR 2SA1162-G                   |                         |
| Q354                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q356                    | 8-729-216-22 | TRANSISTOR 2SA1162-G                   |                         |
| Q357                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q (EXCEPT KV-32V26) |                         |
| Q358                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |
| Q461                    | 8-729-422-27 | TRANSISTOR 2SD601A-Q                   |                         |

| REF.NO.         | PART NO.     | DESCRIPTION                 | REMARK           |
|-----------------|--------------|-----------------------------|------------------|
| Q462            | 8-729-216-22 | TRANSISTOR 2SA1162-G        |                  |
| Q501            | 8-729-140-50 | TRANSISTOR 2SC3209LK        |                  |
| Q502 Δ          | 8-729-035-75 | TRANSISTOR 2SC5148 (LBSONY) |                  |
| Q511 Δ          | 8-729-422-27 | TRANSISTOR 2SD601A-Q        |                  |
| Q512 Δ          | 8-729-809-29 | TRANSISTOR 2SC4159-E        |                  |
| Q551            | 8-729-216-22 | TRANSISTOR 2SA1162-G        |                  |
| Q552            | 8-729-422-27 | TRANSISTOR 2SD601A-Q        |                  |
| Q561            | 8-729-422-27 | TRANSISTOR 2SD601A-Q        |                  |
| Q562            | 8-729-422-27 | TRANSISTOR 2SD601A-Q        |                  |
| Q563            | 8-729-105-08 | TRANSISTOR 2SA1330-06       |                  |
| Q1102           | 8-729-119-78 | TRANSISTOR 2SC2785-HFE      |                  |
| Q1103           | 8-729-422-27 | TRANSISTOR 2SD601A-Q        |                  |
| Q1231           | 8-729-422-27 | TRANSISTOR 2SD601A-Q        |                  |
| Q1232           | 8-729-422-27 | TRANSISTOR 2SD601A-Q        |                  |
| <b>RESISTOR</b> |              |                             |                  |
| R001            | 1-216-045-00 | METAL GLAZE                 | 680 5% 1/10W     |
| R002            | 1-247-815-91 | CARBON                      | 220 5% 1/4W      |
| R003            | 1-216-097-91 | METAL GLAZE                 | 100K 5% 1/10W    |
| R004            | 1-216-121-91 | METAL GLAZE                 | 1M 5% 1/10W      |
| R005            | 1-247-815-91 | CARBON                      | 220 5% 1/4W      |
| R006            | 1-247-815-91 | CARBON                      | 220 5% 1/4W      |
| R007            | 1-216-073-00 | METAL GLAZE                 | 10K 5% 1/10W     |
| R008            | 1-247-815-91 | CARBON                      | 220 5% 1/4W      |
| R009            | 1-216-073-00 | METAL GLAZE                 | 10K 5% 1/10W     |
| R010            | 1-216-037-00 | METAL GLAZE                 | 330 5% 1/10W     |
| R011            | 1-216-065-00 | METAL GLAZE                 | 4.7K 5% 1/10W    |
| R012            | 1-216-033-00 | METAL GLAZE                 | 220 5% 1/10W     |
| R013            | 1-216-065-00 | METAL GLAZE                 | 4.7K 5% 1/10W    |
| R014            | 1-216-065-00 | METAL GLAZE                 | 4.7K 5% 1/10W    |
| R015            | 1-216-073-00 | METAL GLAZE                 | 10K 5% 1/10W     |
| R016            | 1-216-073-00 | METAL GLAZE                 | 10K 5% 1/10W     |
| R019            | 1-249-425-11 | CARBON                      | 4.7K 5% 1/4W     |
| R020            | 1-216-065-00 | METAL GLAZE                 | 4.7K 5% 1/10W    |
| R022            | 1-249-429-11 | CARBON                      | 10K 5% 1/4W      |
| R023            | 1-216-089-91 | METAL GLAZE                 | 47K 5% 1/10W     |
| R025            | 1-163-010-11 | CERAMIC CHIP                | 0.0012MF 10% 50V |
| R026            | 1-163-038-91 | CERAMIC CHIP                | 0.1MF 25V        |
| R028            | 1-249-417-11 | CARBON                      | 1K 5% 1/4W       |
| R029            | 1-216-025-91 | METAL GLAZE                 | 100 5% 1/10W     |
| R030            | 1-249-425-11 | CARBON                      | 4.7K 5% 1/4W     |
| R031            | 1-247-815-91 | CARBON                      | 220 5% 1/4W      |
| R032            | 1-247-815-91 | CARBON                      | 220 5% 1/4W      |
| R034            | 1-247-815-91 | CARBON                      | 220 5% 1/4W      |
| R035            | 1-247-815-91 | CARBON                      | 220 5% 1/4W      |
| R036            | 1-216-049-91 | METAL GLAZE                 | 1K 5% 1/10W      |
| R037            | 1-216-049-91 | METAL GLAZE                 | 1K 5% 1/10W      |
| R038            | 1-216-049-91 | METAL GLAZE                 | 1K 5% 1/10W      |
| R039            | 1-247-807-31 | CARBON                      | 100 5% 1/4W      |



Note:

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



| REF.NO. | PART NO.     | DESCRIPTION | REMARK        |
|---------|--------------|-------------|---------------|
| R040    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R041    | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R042    | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R043    | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W   |
| R045    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R044    | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W   |
| R046    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R047    | 1-249-417-11 | CARBON      | 1K 5% 1/4W    |
| R048    | 1-249-417-11 | CARBON      | 1K 5% 1/4W    |
| R049    | 1-249-417-11 | CARBON      | 1K 5% 1/4W    |
| R050    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R051    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R052    | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W |
| R053    | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W |
| R054    | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W |
| R055    | 1-216-097-91 | METAL GLAZE | 100K 5% 1/10W |
| R056    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R057    | 1-249-417-11 | CARBON      | 1K 5% 1/4W    |
| R058    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R064    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R065    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R066    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R067    | 1-249-413-11 | CARBON      | 470 5% 1/4W   |
| R068    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R069    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R070    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R071    | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R072    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R073    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R074    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R075    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R076    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R077    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R078    | 1-249-417-11 | CARBON      | 1K 5% 1/4W    |
| R079    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R080    | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R081    | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W  |
| R082    | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W  |
| R083    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R084    | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W   |
| R087    | 1-247-815-91 | CARBON      | 220 5% 1/4W   |
| R090    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W  |
| R092    | 1-249-429-11 | CARBON      | 10K 5% 1/4W   |
| R097    | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R099    | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R131    | 1-216-035-00 | METAL GLAZE | 270 5% 1/10W  |
| R132    | 1-216-115-00 | METAL GLAZE | 560K 5% 1/10W |
| R133    | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W  |
| R135    | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W  |

| REF.NO.                              | PART NO.     | DESCRIPTION | REMARK           |
|--------------------------------------|--------------|-------------|------------------|
| R136                                 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R137                                 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W     |
| R353                                 | 1-208-786-11 | METAL GLAZE | 1.5K 0.50% 1/10W |
| R354                                 | 1-216-077-00 | METAL GLAZE | 15K 5% 1/10W     |
| R355                                 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W     |
| R356                                 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W     |
| R358                                 | 1-247-815-91 | CARBON      | 220 5% 1/4W      |
| R359                                 | 1-247-815-91 | CARBON      | 220 5% 1/4W      |
| R360                                 | 1-247-815-91 | CARBON      | 220 5% 1/4W      |
| R361                                 | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W     |
| R362                                 | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W     |
| R363                                 | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W     |
| R364                                 | 1-216-101-00 | METAL GLAZE | 150K 5% 1/10W    |
| R365                                 | 1-216-101-00 | METAL GLAZE | 150K 5% 1/10W    |
| R366                                 | 1-216-089-91 | METAL GLAZE | 47K 5% 1/10W     |
| R367                                 | 1-216-097-91 | METAL GLAZE | 100K 5% 1/10W    |
| R368                                 | 1-249-441-11 | CARBON      | 100K 5% 1/4W     |
| R369                                 | 1-216-097-91 | METAL GLAZE | 100K 5% 1/10W    |
| R370                                 | 1-249-417-11 | CARBON      | 1K 5% 1/4W       |
| (KV-32V36/34V36C/35V36/37V36M/35V76) |              |             |                  |
| R371                                 | 1-216-053-00 | METAL GLAZE | 1.5K 5% 1/10W    |
| (KV-32V36/34V36C/35V36/37V36M/35V76) |              |             |                  |
| R372                                 | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W    |
| R373                                 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R374                                 | 1-216-125-00 | METAL GLAZE | 1.5M 5% 1/10W    |
| R375                                 | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W     |
| R376                                 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R379                                 | 1-216-033-00 | METAL GLAZE | 220 5% 1/4W      |
| R380                                 | 1-247-815-91 | CARBON      | 220 5% 1/4W      |
| R381                                 | 1-247-815-91 | CARBON      | 220 5% 1/4W      |
| R382                                 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W     |
| R383                                 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W      |
| R384                                 | 1-216-109-00 | METAL GLAZE | 330K 5% 1/10W    |
| R385                                 | 1-249-422-11 | CARBON      | 2.7K 5% 1/4W     |
| R386                                 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W      |
| R387                                 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W      |
| R388                                 | 1-216-089-91 | METAL GLAZE | 47K 5% 1/10W     |
| R389                                 | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1/10W    |
| R390                                 | 1-216-035-00 | METAL GLAZE | 270 5% 1/10W     |
| R391                                 | 1-208-810-11 | METAL GLAZE | 15K 0.50% 1/10W  |
| R392                                 | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W     |
| R393                                 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W     |
| R394                                 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W    |
| R395                                 | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W    |
| R396                                 | 1-249-417-11 | CARBON      | 1K 5% 1/4W       |
| (KV-32V36/34V36C/35V36/37V36M/35V76) |              |             |                  |
| R397                                 | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W     |
| R461                                 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W    |
| R462                                 | 1-216-089-91 | METAL GLAZE | 47K 5% 1/10W     |



Note:

The components identified by **A** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Note:

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

| REF.NO. | PART NO.     | DESCRIPTION | REMARK                                   |
|---------|--------------|-------------|--|
| R463    | 1-249-435-11 | CARBON      | 33K 5% 1/4W                              |
| R464    | 1-216-097-91 | METAL GLAZE | 100K 5% 1/10W                            |
| R465    | 1-249-413-11 | CARBON      | 470 5% 1/4W                              |
| R466    | 1-249-382-11 | CARBON      | 1.2 5% 1/4W F<br>(KV-32V26/32V36/34V36C) |
| R467    | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W                            |
| R469    | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1/10W<br>(KV-32V36/34V36C/35V76) |
| R469    | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W<br>(KV-35V36/37V36M)       |
| R469    | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W<br>(KV-32V26)              |
| R470    | 1-216-077-00 | METAL GLAZE | 15K 5% 1/10W<br>(KV-32V36/34V36C)        |
| R471    | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W                            |
| R472    | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1/10W<br>(KV-32V36/34V36C/35V76) |
| R472    | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W<br>(KV-35V36/37V36M)       |
| R472    | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W<br>(KV-32V26)              |
| R473    | 1-249-398-11 | CARBON      | 27 5% 1/4W                               |
| R474    | 1-216-077-00 | METAL GLAZE | 15K 5% 1/10W<br>(KV-32V36/34V36C)        |
| R475    | 1-249-430-11 | CARBON      | 12K 5% 1/4W                              |
| R476    | 1-249-430-11 | CARBON      | 12K 5% 1/4W                              |
| R477    | 1-249-398-11 | CARBON      | 27 5% 1/4W                               |
| R478    | 1-249-418-11 | CARBON      | 1.2K 5% 1/4W F                           |
| R479    | 1-249-418-11 | CARBON      | 1.2K 5% 1/4W F                           |
| R480    | 1-249-385-11 | CARBON      | 2.2 5% 1/4W F                            |
| R481    | 1-249-385-11 | CARBON      | 2.2 5% 1/4W F                            |
| R482    | 1-249-421-11 | CARBON      | 2.2 5% 1/4W F<br>(KV-32V26/35V36/37V36M) |
| R483    | 1-249-421-11 | CARBON      | 2.2 5% 1/4W F<br>(KV-32V26/35V36/37V36M) |
| R501    | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W                             |
| R502    | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W                            |
| R503    | 1-249-426-11 | CARBON      | 5.6K 5% 1/4W F                           |
| R504 Δ  | 1-215-917-11 | METAL OXIDE | 1K 5% 3W F                               |
| R505    | 1-249-431-11 | CARBON      | 15K 5% 1/4W                              |
| R506    | 1-215-861-00 | METAL OXIDE | 47 5% 1W F                               |
| R507    | 1-249-401-11 | CARBON      | 47 5% 1/4W                               |
| R508    | 1-249-427-11 | CARBON      | 6.8K 5% 1/4W                             |
| R509    | 1-247-750-11 | CARBON      | 680 5% 1/2W F                            |
| R510 Δ  | 1-215-860-11 | METAL OXIDE | 33 5% 1W F                               |
| R511 Δ  | 1-215-886-11 | METAL OXIDE | 100 5% 2W F<br>(KV-35V36/37V36M/35V76)   |
| R511 Δ  | 1-215-885-00 | METAL OXIDE | 68 5% 2W F<br>(KV-32V26/32V36/34V36C)    |
| R512 Δ  | 1-215-886-11 | METAL OXIDE | 100 5% 2W F                              |

| REF.NO.  | PART NO.     | DESCRIPTION | REMARK                                     |
|----------|--------------|-------------|--|
| R515     | 1-216-083-00 | METAL GLAZE | 27K 5% 1/10W                               |
| R516     | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W                              |
| R517     | 1-249-415-11 | CARBON      | 680 5% 1/4W                                |
| R518     | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W                               |
| R519     | 1-249-411-11 | CARBON      | 330 5% 1/4W                                |
| R523     | 1-216-071-00 | METAL GLAZE | 8.2K 5% 1/10W<br>(KV-35V36/37V36M/35V76)   |
| R523     | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W<br>(KV-32V26/32V36/34V36C)    |
| R524     | 1-249-429-11 | CARBON      | 10K 5% 1/4W                                |
| R525     | 1-216-071-00 | METAL GLAZE | 8.2K 5% 1/10W                              |
| R528     | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W                               |
| R529     | 1-208-812-11 | METAL GLAZE | 18K 0.50% 1/10W<br>(KV-35V36/37V36M/35V76) |
| R529     | 1-208-814-11 | METAL GLAZE | 22K 0.50% 1/10W<br>(KV-32V26/32V36/34V36C) |
| Δ R530 Δ |              | METAL GLAZE | 1/10W                                      |
| Δ R531 Δ |              | METAL GLAZE | 1/10W<br>(KV-35V36/37V36M/35V76)           |
| Δ R531 Δ |              | METAL GLAZE | 1/10W<br>(KV-32V26/32V36/34V36C)           |
| R532     | 1-208-760-11 | METAL GLAZE | 120 0.50% 1/10W                            |
| R533 Δ   | 1-215-878-00 | METAL OXIDE | 33K 5% 1W F<br>(KV-35V36/37V36M/35V76)     |
| R533 Δ   | 1-215-902-11 | METAL OXIDE | 47K 5% 1W F<br>(KV-32V26/32V36/34V36C)     |
| R535     | 1-216-101-00 | METAL GLAZE | 150K 5% 1/10W                              |
| R536 Δ   | 1-216-397-11 | METAL OXIDE | 4.7 5% 3W F<br>(KV-35V36/37V36M/35V76)     |
| R536 Δ   | 1-260-288-11 | METAL OXIDE | 4.7 5% 1/2W F<br>(KV-32V26/32V36/34V36C)   |
| R537 Δ   | 1-216-470-00 | METAL OXIDE | 18 5% 3W F<br>(KV-35V36/37V36M/35V76)      |
| R537 Δ   | 1-216-288-11 | METAL OXIDE | 47 5% 1/2W F<br>(KV-32V26/32V36/34V36C)    |
| R538     | 1-247-887-00 | CARBON      | 220K 5% 1/4W                               |
| R541 Δ   | 1-249-377-11 | CARBON      | 0.47 5% 1/4W F<br>(KV-35V36/37V36M/35V76)  |
| R542 Δ   | 1-249-397-11 | CARBON      | 22 5% 1/4W F<br>(KV-35V36/37V36M/35V76)    |
| R543     | 1-249-377-11 | CARBON      | 0.47 5% 1/4W F                             |
| R546     | 1-215-451-00 | METAL       | 18K 1% 1/4W<br>(KV-35V36/37V36M/35V76)     |
| R546     | 1-215-453-00 | METAL       | 22K 1% 1/4W<br>(KV-32V26/32V36/34V36C)     |
| R547     | 1-215-457-00 | METAL       | 33K 1% 1/4W                                |
| R548 Δ   | 1-215-872-11 | METAL OXIDE | 3.3K 5% 1W F<br>(KV-35V36/37V36M/35V76)    |
| R549     | 1-215-437-00 | METAL       | 4.7K 1% 1/4W                               |
| R550 Δ   | 1-249-377-11 | CARBON      | 0.47 5% 1/4W F                             |

**Note:** The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



| REF.NO.       | PART NO.     | DESCRIPTION | REMARK           |
|---------------|--------------|-------------|------------------|
| R551 $\Delta$ | 1-215-873-00 | METAL OXIDE | 4.7K 5% 1W F     |
| R552          | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W    |
| R553 $\Delta$ | 1-249-377-11 | CARBON      | 0.47 5% 1/4W F   |
| R554          | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W    |
| R561          | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R563 $\Delta$ | 1-216-351-00 | METAL OXIDE | 1.5 5% 1W F      |
| R564          | 1-249-393-11 | CARBON      | 10 5% 1/4W       |
| R565 $\Delta$ | 1-215-890-11 | METAL OXIDE | 470 5% 2W F      |
| R566          | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R567 $\Delta$ | 1-249-385-11 | CARBON      | 2.2 5% 1/4W F    |
| R568          | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R569          | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R570          | 1-216-097-91 | METAL GLAZE | 100K 5% 1/10W    |
| R571          | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W     |
| R572          | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W     |
| R573          | 1-216-097-91 | METAL GLAZE | 100K 5% 1/10W    |
| R574 $\Delta$ | 1-216-365-00 | METAL OXIDE | 0.47 5% 2W F     |
| R575          | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W    |
| R576          | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R577          | 1-216-097-91 | METAL GLAZE | 100K 5% 1/10W    |
| R578          | 1-208-784-11 | METAL GLAZE | 1.2K 0.50% 1/10W |
| R579          | 1-208-842-11 | METAL GLAZE | 330K 0.50% 1/10W |
| R580          | 1-249-441-11 | CARBON      | 100K 5% 1/4W     |
| R1001         | 1-247-807-31 | CARBON      | 100 5% 1/4W      |
| R1002         | 1-247-807-31 | CARBON      | 100 5% 1/4W      |
| R1005         | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R1101         | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W      |
| R1102         | 1-215-900-11 | METAL OXIDE | 22K 5% 2W F      |
| R1103         | 1-216-051-00 | METAL GLAZE | 1.2K 5% 1/10W    |
| R1104         | 1-216-083-00 | METAL GLAZE | 27K 5% 1/10W     |
| R1105         | 1-216-689-11 | METAL GLAZE | 39K 5% 1/10W     |
| R1106         | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W      |
| R1107         | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W    |
| R1108         | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W     |
| R1109         | 1-216-019-00 | METAL GLAZE | 56 5% 1/10W      |
| R1110         | 1-216-019-00 | METAL GLAZE | 56 5% 1/10W      |
| R1111         | 1-216-019-00 | METAL GLAZE | 56 5% 1/10W      |
| R1115         | 1-216-045-00 | METAL GLAZE | 680 5% 1/10W     |
| R1117         | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W     |
| R1118         | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W     |
| R1120         | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W    |
| R1121         | 1-216-035-00 | METAL GLAZE | 270 5% 1/10W     |
| R1122         | 1-216-115-00 | METAL GLAZE | 560K 5% 1/10W    |
| R1123         | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W     |
| R1125         | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W    |
| R1126         | 1-216-035-00 | METAL GLAZE | 270 5% 1/10W     |
| R1127         | 1-216-115-00 | METAL GLAZE | 560K 5% 1/10W    |
| R1128         | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W     |
| R1130         | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W    |

| REF.NO. | PART NO.     | DESCRIPTION            | REMARK        |
|---------|--------------|------------------------|---------------|
| R1255   | 1-216-295-91 | CONDUCTOR, CHIP (2012) |               |
| R1258   | 1-216-061-00 | METAL GLAZE            | 3.3K 5% 1/10W |
| R1259   | 1-216-097-91 | METAL GLAZE            | 100K 5% 1/10W |
| R1260   | 1-216-061-00 | METAL GLAZE            | 3.3K 5% 1/10W |
| R1294   | 1-216-049-91 | METAL GLAZE            | 1K 5% 1/10W   |
| R1295   | 1-216-049-91 | METAL GLAZE            | 1K 5% 1/10W   |
| R1351   | 1-247-815-91 | CARBON                 | 220 5% 1/4W   |
| R1352   | 1-247-815-91 | CARBON                 | 220 5% 1/4W   |
| R1353   | 1-247-815-91 | CARBON                 | 220 5% 1/4W   |
| R1354   | 1-216-033-00 | METAL GLAZE            | 220 5% 1/10W  |
| R1355   | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W  |
| R1356   | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W  |
| R1357   | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W  |
| R1358   | 1-247-807-31 | CARBON                 | 100 5% 1/4W   |
| R1359   | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W  |
| R1360   | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W |
| R1361   | 1-216-062-00 | METAL GLAZE            | 3.6K 5% 1/10W |
| R1362   | 1-216-295-91 | CONDUCTOR, CHIP (2012) |               |
| R1407   | 1-216-073-00 | METAL GLAZE            | 10K 5% 1/10W  |
| R1408   | 1-249-429-11 | CARBON                 | 10K 5% 1/4W   |
| R1409   | 1-249-429-11 | CARBON                 | 10K 5% 1/4W   |
| R1411   | 1-216-073-00 | METAL GLAZE            | 10K 5% 1/10W  |
| R1412   | 1-216-093-00 | METAL GLAZE            | 68K 5% 1/10W  |
| R1413   | 1-216-089-91 | METAL GLAZE            | 47K 5% 1/10W  |
| R1414   | 1-216-089-91 | METAL GLAZE            | 47K 5% 1/10W  |
| R1415   | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W  |
| R1418   | 1-216-093-00 | METAL GLAZE            | 68K 5% 1/10W  |
| R1419   | 1-216-089-91 | METAL GLAZE            | 47K 5% 1/10W  |
| R1420   | 1-216-089-91 | METAL GLAZE            | 47K 5% 1/10W  |
| R1421   | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W  |
| R1424   | 1-247-807-31 | CARBON                 | 100 5% 1/4W   |
| R1425   | 1-247-807-31 | CARBON                 | 100 5% 1/4W   |

### SWITCH

S501 1-572-707-11 SWITCH, LEVER

### TRANSFORMER

T501 1-437-210-11 TRANSFORMER, HORIZONTAL DRIVE

T502  $\Delta$  1-429-408-11 TRANSFORMER, FERRITE (PMT) 500uH  
(KV-35V36/37V36M/35V76)

T502  $\Delta$  1-429-545-11 TRANSFORMER, FERRITE (PMT) 400uH  
(KV-32V26/32V36/34V76C)

T503  $\Delta$  1-439-520-11 TRANSFORMER ASSY, FLYBACK (NX-3001)  
(KV-35V36/37V36M/35V76)

T503  $\Delta$  1-439-207-11 TRANSFORMER ASSY, FLYBACK (NX-A2609)  
(KV-32V26/32V36/34V76C)

T504 1-413-059-00 TRANSFORMER, FERRITE (DFT)  
(KV-35V36/37V36M/35V76)



Note: The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO. PART NO. DESCRIPTION REMARK

### CRYSTAL

X001 1-578-774-11 VIBRATOR, CRYSTAL  
X353 1-567-505-11 OSCILLATOR, CRYSTAL  
X354 1-577-611-11 OSCILLATOR, CERAMIC

### TUNER

TU102  $\Delta$  8-598-340-00 TUNER BTF-WA404



- \* A-1316-252-A G BOARD, COMPLETE (KV-34V36C)
- \* A-1316-261-A G BOARD, COMPLETE (KV-32V26/32V36)
- \* A-1316-262-A G BOARD, COMPLETE (KV-35V36C/35V76/37V36M)

4-382-854-11 SCREW (M3X10), P, SW (+)

### CAPACITOR

|               |              |         |         |     |                                     |
|---------------|--------------|---------|---------|-----|-------------------------------------|
| C601          | 1-130-711-00 | FILM    | 0.22MF  | 20% | 250V                                |
|               |              |         |         |     | (KV-35V36/35V76/37V36M)             |
| C602          | 1-126-963-11 | ELECT   | 4.7MF   | 20% | 50V                                 |
|               |              |         |         |     | (KV-34V36C)                         |
| C603 $\Delta$ | 1-113-915-11 | CERAMIC | 0.001MF | 20% | 250V                                |
| C604 $\Delta$ | 1-136-346-21 | FILM    | 0.22MF  | 20% | 125V                                |
|               |              |         |         |     | (KV-32V26/32V36/35V36/35V76/37V36M) |
| C605 $\Delta$ | 1-136-346-51 | FILM    | 0.22MF  | 20% | 125V                                |
|               |              |         |         |     | (KV-32V26/32V36/35V36/35V76/37V36M) |
| C605 $\Delta$ | 1-136-346-61 | FILM    | 0.22MF  | 20% | 300V                                |
|               |              |         |         |     | (KV-34V36C)                         |
| C606 $\Delta$ | 1-115-388-11 | ELECT   | 560MF   | 20% | 200V                                |
| C607 $\Delta$ | 1-115-388-11 | ELECT   | 560MF   | 20% | 200V                                |
| C608          | 1-164-625-11 | CERAMIC | 680PF   | 10% | 500V                                |
|               |              |         |         |     | (KV-32V26/32V36/35V36/35V76/37V36M) |
| C608          | 1-164-645-11 | CERAMIC | 1000PF  | 10% | 500V                                |
|               |              |         |         |     | (KV-34V36C)                         |
| C609          | 1-136-173-00 | FILM    | 0.47MF  | 5%  | 50V                                 |
| C610          | 1-136-173-00 | FILM    | 0.47MF  | 5%  | 50V                                 |
| C611          | 1-136-169-00 | FILM    | 0.22MF  | 5%  | 50V                                 |
| C612          | 1-136-169-00 | FILM    | 0.22MF  | 5%  | 50V                                 |
| C613          | 1-164-645-11 | CERAMIC | 1000PF  | 10% | 500V                                |
| C614          | 1-164-645-11 | CERAMIC | 1000PF  | 10% | 500V                                |
| C615          | 1-136-759-11 | FILM    | 0.039MF | 5%  | 630V                                |
| C617 $\Delta$ | 1-113-915-11 | CERAMIC | 0.001MF | 20% | 250V                                |
| C626 $\Delta$ | 1-113-897-11 | CERAMIC | 100PF   | 10% | 250V                                |
|               |              |         |         |     | (KV-34V36C)                         |
| C641          | 1-126-943-11 | ELECT   | 2200MF  | 20% | 25V                                 |
| C642          | 1-126-767-11 | ELECT   | 1000MF  | 20% | 16V                                 |
| C643          | 1-107-641-11 | ELECT   | 220MF   | 20% | 160V                                |
| C646          | 1-126-933-11 | ELECT   | 100MF   | 20% | 16V                                 |
| C647          | 1-128-551-11 | ELECT   | 22MF    | 20% | 25V                                 |

REF.NO. PART NO. DESCRIPTION REMARK

|      |              |         |          |     |      |
|------|--------------|---------|----------|-----|------|
| C648 | 1-126-933-11 | ELECT   | 100MF    | 20% | 16V  |
| C651 | 1-137-366-11 | FILM    | 0.0022MF | 5%  | 50V  |
| C652 | 1-106-351-00 | MYLAR   | 0.0022MF | 99% | 200V |
| C653 | 1-107-636-11 | ELECT   | 10MF     | 20% | 160V |
| C654 | 1-164-625-11 | CERAMIC | 680PF    | 10% | 500V |

|      |              |         |       |     |      |
|------|--------------|---------|-------|-----|------|
| C655 | 1-164-625-11 | CERAMIC | 680PF | 10% | 500V |
| C656 | 1-164-625-11 | CERAMIC | 680PF | 10% | 500V |
| C657 | 1-164-625-11 | CERAMIC | 680PF | 10% | 500V |
| C661 | 1-126-963-11 | ELECT   | 4.7MF | 20% | 50V  |

(KV-32V26/32V36/35V36/35V76/37V36M)

|      |              |         |        |     |      |
|------|--------------|---------|--------|-----|------|
| C690 | 1-164-645-11 | CERAMIC | 1000PF | 10% | 500V |
| C691 | 1-164-645-11 | CERAMIC | 1000PF | 10% | 500V |

### CONNECTOR

CN601 \* 1-573-963-11 PIN, CONNECTOR (PC BOARD) 3P  
(KV-35V36/35V76/37V36M)

CN601 \* 1-508-765-21 PIN, CONNECTOR (5MM PITCH) 3P  
(KV-32V26/32V36/34V36C)

CN602 \* 1-580-844-11 PIN, CONNECTOR (POWER) 2P

CN603 \* 1-573-963-11 PIN, CONNECTOR (PC BOARD) 3P  
(KV-35V36/35V76/37V36M)

CN641 \* 1-564-515-11 PLUG, CONNECTOR 12P

### DIODE

D601 8-719-911-19 DIODE 1SS119-25

D602  $\Delta$  8-719-510-53 DIODE D4SB60L

D603 8-719-911-19 DIODE 1SS119-25

D604 8-719-911-19 DIODE 1SS119-25

D605 8-719-911-19 DIODE 1SS119-25

D606 8-719-911-19 DIODE 1SS119-25

D607 8-719-911-19 DIODE 1SS119-25

D608 8-719-911-19 DIODE 1SS119-25

D609 8-719-911-19 DIODE 1SS119-25

D610 8-719-911-19 DIODE 1SS119-25

D615 8-719-028-45 DIODE D2L20U

D641 8-719-052-40 DIODE RBA-1004B

D643 8-719-028-45 DIODE D2L20U

D644 8-719-028-45 DIODE D2L20U

D645 8-719-028-45 DIODE D2L20U

D646 8-719-510-12 DIODE D10SC4M

D648 8-719-057-52 DIODE EZ0150AV1

D649 8-719-510-02 DIODE D1NS4

D650 8-719-510-02 DIODE D1NS4

### FUSE

F601  $\Delta$  1-533-223-11 HOLDER, FUSE

F601  $\Delta$  1-576-193-11 FUSE 6.3A/125V  
(KV-32V26/32V36/35V36/35V76/37V36M)

F601  $\Delta$  1-532-506-51 FUSE 6.3A/250V (KV-34V36C)

**Note:** The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF.NO. PART NO. DESCRIPTION REMARK

### FERRITE BEAD

|       |              |                       |       |
|-------|--------------|-----------------------|-------|
| FB601 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB602 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB641 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB642 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB643 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |

|       |              |                       |       |
|-------|--------------|-----------------------|-------|
| FB644 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB645 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB646 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB647 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |
| FB648 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH |

### IC

|       |              |               |
|-------|--------------|---------------|
| IC641 | 8-749-920-58 | IC SI-3090CA  |
| IC642 | 8-759-701-56 | IC NJM78M05FA |
| IC643 | 8-749-012-13 | IC DM-58      |

### COIL

|      |              |          |      |
|------|--------------|----------|------|
| L642 | 1-412-529-11 | INDUCTOR | 22UH |
| L643 | 1-412-525-31 | INDUCTOR | 10UH |

### TRANSISTOR

|               |              |                        |
|---------------|--------------|------------------------|
| Q601 $\Delta$ | 8-729-019-49 | TRANSISTOR 2SC4834MNP  |
| Q602 $\Delta$ | 8-729-019-49 | TRANSISTOR 2SC4834MNP  |
| Q644          | 8-729-119-78 | TRANSISTOR 2SC2785-HFE |
| Q645          | 8-729-119-76 | TRANSISTOR 2SA1175-HFE |
| Q646          | 8-729-119-78 | TRANSISTOR 2SC3311A    |

(KV-32V26/32V36/35V36/35V76/37V36M)

### RESISTOR

|                                     |              |             |      |     |        |
|-------------------------------------|--------------|-------------|------|-----|--------|
| R603 $\Delta$                       | 1-219-776-11 | CARBON      | 2.2M | 10% | 1/2W   |
| (KV-32V26/32V36/35V36/35V76/37V36M) |              |             |      |     |        |
| R603 $\Delta$                       | 1-247-289-00 | CARBON      | 8.2M | 5%  | 1W     |
| (KV-34V36C)                         |              |             |      |     |        |
| R605                                | 1-247-893-11 | CARBON      | 390K | 5%  | 1/4W   |
| R606                                | 1-247-893-11 | CARBON      | 390K | 5%  | 1/4W   |
| R607 $\Delta$                       | 1-202-933-61 | FUSIBLE     | 0.1  | 10% | 1/2W F |
| R608 $\Delta$                       | 1-216-372-11 | METAL OXIDE | 1.8  | 5%  | 2W F   |
| (KV-32V26/32V36/35V36/35V76/37V36M) |              |             |      |     |        |
| R608 $\Delta$                       | 1-216-369-00 | METAL OXIDE | 1    | 5%  | 2W F   |
| (KV-34V36C)                         |              |             |      |     |        |
| R609                                | 1-247-791-91 | CARBON      | 22   | 5%  | 1/4W   |
| R610                                | 1-247-791-91 | CARBON      | 22   | 5%  | 1/4W   |
| R611 $\Delta$                       | 1-216-372-11 | METAL OXIDE | 1.8  | 5%  | 2W F   |
| (KV-32V26/32V36/35V36/35V76/37V36M) |              |             |      |     |        |
| R611 $\Delta$                       | 1-216-369-00 | METAL OXIDE | 1    | 5%  | 2W F   |
| (KV-34V36C)                         |              |             |      |     |        |
| R612                                | 1-247-887-00 | CARBON      | 220K | 5%  | 1/4W   |
| R613                                | 1-247-887-00 | CARBON      | 220K | 5%  | 1/4W   |

REF.NO. PART NO. DESCRIPTION REMARK

|      |              |         |      |    |        |
|------|--------------|---------|------|----|--------|
| R614 | 1-247-887-00 | CARBON  | 220K | 5% | 1/4W   |
| R615 | 1-247-887-00 | CARBON  | 220K | 5% | 1/4W   |
| R616 | 1-247-791-91 | CARBON  | 22   | 5% | 1/4W   |
| R617 | 1-247-791-91 | CARBON  | 22   | 5% | 1/4W   |
| R622 | 1-212-958-00 | FUSIBLE | 10   | 5% | 1/2W F |

|                                     |              |           |   |    |     |
|-------------------------------------|--------------|-----------|---|----|-----|
| R623 $\Delta$                       | 1-243-032-11 | WIREWOUND | 1 | 5% | 20W |
| (KV-32V26/32V36/35V36/35V76/37V36M) |              |           |   |    |     |

|               |              |           |     |    |     |
|---------------|--------------|-----------|-----|----|-----|
| R623 $\Delta$ | 1-205-943-11 | WIREWOUND | 3.9 | 5% | 20W |
| (KV-34V36C)   |              |           |     |    |     |

|      |              |        |      |    |        |
|------|--------------|--------|------|----|--------|
| R641 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W   |
| R642 | 1-247-843-11 | CARBON | 3.3K | 5% | 1/4W   |
| R643 | 1-249-387-11 | CARBON | 3.3  | 5% | 1/4W F |

|               |              |             |    |    |      |
|---------------|--------------|-------------|----|----|------|
| R644 $\Delta$ | 1-215-882-00 | METAL OXIDE | 22 | 5% | 2W F |
| R645 $\Delta$ | 1-260-304-51 | CARBON      | 10 | 5% | 1/2W |

(KV-34V36C)

|      |              |        |      |    |        |
|------|--------------|--------|------|----|--------|
| R647 | 1-249-417-11 | CARBON | 1K   | 5% | 1/4W   |
| R648 | 1-247-887-00 | CARBON | 220K | 5% | 1/4W   |
| R649 | 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W F |

|      |              |        |      |    |      |
|------|--------------|--------|------|----|------|
| R652 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R659 | 1-249-429-11 | CARBON | 10K  | 5% | 1/4W |

(KV-34V36C)

|               |              |        |      |    |        |
|---------------|--------------|--------|------|----|--------|
| R661          | 1-249-413-11 | CARBON | 470  | 5% | 1/4W F |
| R662          | 1-249-429-11 | CARBON | 10K  | 5% | 1/4W   |
| R663 $\Delta$ | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |

|               |              |        |      |    |        |
|---------------|--------------|--------|------|----|--------|
| R664 $\Delta$ | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R665 $\Delta$ | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |

|               |              |        |      |    |        |
|---------------|--------------|--------|------|----|--------|
| R666 $\Delta$ | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R667 $\Delta$ | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |

|               |              |        |      |    |        |
|---------------|--------------|--------|------|----|--------|
| R668 $\Delta$ | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
|---------------|--------------|--------|------|----|--------|

|               |              |        |      |    |        |
|---------------|--------------|--------|------|----|--------|
| R670 $\Delta$ | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R671 $\Delta$ | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |

|               |              |        |      |    |        |
|---------------|--------------|--------|------|----|--------|
| R672 $\Delta$ | 1-249-377-11 | CARBON | 0.47 | 5% | 1/4W F |
| R678          | 1-247-863-91 | CARBON | 22K  | 5% | 1/4W   |

(KV-32V26/32V36/35V36/35V76/37V36M)

|      |              |        |     |    |      |
|------|--------------|--------|-----|----|------|
| R679 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
|------|--------------|--------|-----|----|------|

(KV-32V26/32V36/35V36/35V76/37V36M)

|      |              |        |     |    |      |
|------|--------------|--------|-----|----|------|
| R680 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
|------|--------------|--------|-----|----|------|

(KV-32V26/32V36/35V36/35V76/37V36M)

|      |              |        |     |    |      |
|------|--------------|--------|-----|----|------|
| R681 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W |
|------|--------------|--------|-----|----|------|

(KV-32V26/32V36/35V36/35V76/37V36M)

### RELAY

|                |              |   |
|----------------|--------------|---|
| RY601 $\Delta$ | 1-755-146-11 | RELAY (KV-32V26/32V36/35V36/35V76/37V36M) |
| RY601 $\Delta$ | 1-755-018-11 | RELAY (KV-34V36C)                         |

### TRANSFORMER

|               |              |                                |
|---------------|--------------|--------------------------------|
| T601 $\Delta$ | 1-426-717-11 | TRANSFORMER, LINE FILTER (LFT) |
|---------------|--------------|--------------------------------|

(KV-32V26/32V36/35V36/35V76/37V36M)

|               |              |                          |
|---------------|--------------|--------------------------|
| T602 $\Delta$ | 1-424-220-11 | TRANSFORMER, LINE FILTER |
|---------------|--------------|--------------------------|

(KV-32V26/32V36/35V36/35V76/37V36M)



Note: The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO. PART NO. DESCRIPTION REMARK

T602  $\Delta$  1-426-717-11 TRANSFORMER, LINE FILTER (KV-34V36C)  
 T603  $\Delta$  1-427-864-11 TRANSFORMER, CONVERTER (PRT)  
 T605 1-429-415-11 TRANSFORMER, CONVERTER (PIT)

THERMISTOR

THP601  $\Delta$  1-809-539-11 THERMISTOR, POSITIVE  
 (KV-32V26/32V36/35V36/35V76/37V36M)  
 THP601  $\Delta$  1-809-827-11 THERMISTOR, POSITIVE (KV-34V36C)

VARISTOR

VDR601 1-810-974-21 VARISTOR



\* A-1331-522-A C BOARD, MOUNTED (KV-35V36/35V76/37V36M)  
 \* A-1331-549-A C BOARD MOUNTED (KV-32V26/32V36/34V36C)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

|       |              |         |          |     |      |
|-------|--------------|---------|----------|-----|------|
| C1765 | 1-102-116-00 | CERAMIC | 680PF    | 10% | 50V  |
| C1766 | 1-102-117-00 | CERAMIC | 820PF    | 10% | 50V  |
| C1767 | 1-102-116-00 | CERAMIC | 680PF    | 10% | 50V  |
| C1775 | 1-102-116-00 | CERAMIC | 680PF    | 10% | 50V  |
| C1776 | 1-102-117-00 | CERAMIC | 820PF    | 10% | 50V  |
|       |              |         |          |     |      |
| C1777 | 1-102-116-00 | CERAMIC | 680PF    | 10% | 50V  |
| C1785 | 1-102-116-00 | CERAMIC | 680PF    | 10% | 50V  |
| C1786 | 1-102-117-00 | CERAMIC | 820PF    | 10% | 50V  |
| C1787 | 1-102-116-00 | CERAMIC | 680PF    | 10% | 50V  |
| C1790 | 1-102-129-00 | CERAMIC | 0.01MF   | 10% | 50V  |
|       |              |         |          |     |      |
| C1791 | 1-126-933-11 | ELECT   | 100MF    | 20% | 16V  |
| C1793 | 1-107-651-11 | ELECT   | 4.7MF    | 20% | 250V |
| C1795 | 1-102-074-00 | CERAMIC | 0.001MF  | 10% | 50V  |
| C1797 | 1-106-375-12 | MYLAR   | 0.022MF  | 99% | 200V |
| C1798 | 1-106-375-12 | MYLAR   | 0.022MF  | 99% | 200V |
|       |              |         |          |     |      |
| C1799 | 1-162-114-00 | CERAMIC | 0.0047MF |     | 2KV  |

CONNECTOR

CN1761\* 1-564-509-11 PLUG, CONNECTOR 6P  
 CN1762\* 1-508-784-00 PIN, CONNECTOR (5MM PITCH) 1P  
 (KV-35V36/35V76/37V36M)  
 CN1764\* 1-564-507-11 PLUG, CONNECTOR 4P  
 CN1765 1-695-915-11 TAB (CONTACT) (KV-32V26/32V36/34V36C)  
 CN1766 1-695-915-11 TAB (CONTACT) 1P

DIODE

D1761 8-719-991-33 DIODE 1SS133T-77  
 D1762 8-719-991-33 DIODE 1SS133T-77  
 D1763 8-719-991-33 DIODE 1SS133T-77

REF.NO. PART NO. DESCRIPTION REMARK

D1771 8-719-991-33 DIODE 1SS133T-77  
 D1772 8-719-991-33 DIODE 1SS133T-77  
 D1773 8-719-991-33 DIODE 1SS133T-77  
 D1781 8-719-991-33 DIODE 1SS133T-77  
 D1782 8-719-991-33 DIODE 1SS133T-77

D1783 8-719-991-33 DIODE 1SS133T-77  
 D1790 8-719-991-33 DIODE 1SS133T-77  
 D1792 8-719-983-14 DIODE MTZJ-T-77-3.9

JACK

J1761  $\Delta$  1-251-328-11 SOCKET, CRT

COIL

L1790 1-410-667-31 INDUCTOR 22UH

TRANSISTOR

Q1761 8-729-119-78 TRANSISTOR 2SC2785-HFE  
 Q1762 8-729-326-11 TRANSISTOR 2SC2611  
 Q1763 8-729-200-17 TRANSISTOR 2SA1091-0  
 Q1771 8-729-119-78 TRANSISTOR 2SC2785-HFE  
 Q1772 8-729-326-11 TRANSISTOR 2SC2611  
 Q1773 8-729-200-17 TRANSISTOR 2SA1091-0  
 Q1781 8-729-119-78 TRANSISTOR 2SC2785-HFE  
 Q1782 8-729-326-11 TRANSISTOR 2SC2611  
 Q1783 8-729-200-17 TRANSISTOR 2SA1091-0  
 Q1790 8-729-119-76 TRANSISTOR 2SA1175-HFE

RESISTOR

|                |              |             |      |    |        |
|----------------|--------------|-------------|------|----|--------|
| R1760          | 1-260-105-11 | CARBON      | 3.3K | 5% | 1/2W   |
| R1761          | 1-247-807-31 | CARBON      | 100  | 5% | 1/4W   |
| R1763          | 1-249-409-11 | CARBON      | 220  | 5% | 1/4W F |
| R1764 $\Delta$ | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W F   |
| R1765          | 1-249-411-11 | CARBON      | 330  | 5% | 1/4W   |
|                |              |             |      |    |        |
| R1766          | 1-249-393-11 | CARBON      | 10   | 5% | 1/4W   |
| R1767          | 1-249-429-11 | CARBON      | 10K  | 5% | 1/4W   |
| R1768          | 1-249-411-11 | CARBON      | 330  | 5% | 1/4W   |
| R1770          | 1-260-105-11 | CARBON      | 3.3K | 5% | 1/2W   |
| R1771          | 1-247-807-31 | CARBON      | 100  | 5% | 1/4W   |
|                |              |             |      |    |        |
| R1773          | 1-249-409-11 | CARBON      | 220  | 5% | 1/4W F |
| R1774 $\Delta$ | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W F   |
| R1775          | 1-249-407-11 | CARBON      | 150  | 5% | 1/4W   |
| R1776          | 1-249-393-11 | CARBON      | 10   | 5% | 1/4W   |
| R1777          | 1-249-429-11 | CARBON      | 10K  | 5% | 1/4W   |
|                |              |             |      |    |        |
| R1780          | 1-260-105-11 | CARBON      | 3.3K | 5% | 1/2W   |
| R1781          | 1-247-807-31 | CARBON      | 100  | 5% | 1/4W   |
| R1783          | 1-249-409-11 | CARBON      | 220  | 5% | 1/4W F |
| R1784 $\Delta$ | 1-216-486-00 | METAL OXIDE | 8.2K | 5% | 3W F   |
| R1785          | 1-249-407-11 | CARBON      | 150  | 5% | 1/4W   |

**Note:** The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



| REF.NO.        | PART NO.     | DESCRIPTION | REMARK                                  |
|----------------|--------------|-------------|---|
| R1786          | 1-249-393-11 | CARBON      | 10 5% 1/4W                              |
| R1787          | 1-249-429-11 | CARBON      | 10K 5% 1/4W                             |
| R1789          | 1-249-437-11 | CARBON      | 47K 5% 1/4W                             |
| R1792          | 1-247-815-91 | CARBON      | 220 5% 1/4W                             |
| R1793          | 1-247-863-91 | CARBON      | 22K 5% 1/4W                             |
| R1794          | 1-249-417-11 | CARBON      | 1K 5% 1/4W                              |
| R1795          | 1-260-087-11 | CARBON      | 100 5% 1/2W                             |
| R1796 $\Delta$ | 1-216-365-00 | METAL OXIDE | 0.47 5% 2W F<br>(KV-35V36/35V76/37V36M) |
| R1796 $\Delta$ | 1-216-374-00 | METAL OXIDE | 2.7 5% 2W F<br>(KV-32V26/32V36/34V36C)  |
| R1797          | 1-260-123-11 | CARBON      | 100K 5% 1/2W                            |
| R1798          | 1-260-133-11 | CARBON      | 680K 5% 1/2W<br>(KV-35V36/35V76/37V36M) |
| R1799          | 1-260-123-11 | CARBON      | 100K 5% 1/2W<br>(KV-35V36/35V76/37V36M) |

#### VARIABLE RESISTOR

|        |              |                            |                         |
|--------|--------------|----------------------------|-------------------------|
| RV1791 | 1-230-641-11 | RES, ADJ, METAL GLAZE 2.2M | (KV-35V36/35V76/37V36M) |
|--------|--------------|----------------------------|-------------------------|

**WA**

\*A-1372-211-A WA BOARD, MOUNTED (KV-35V36/35V76/37V36M)

4-382-854-11 SCREW (M3X10), P, SW (+)

#### CAPACITOR

|      |              |              |          |     |      |
|------|--------------|--------------|----------|-----|------|
| C941 | 1-126-935-11 | ELECT        | 470MF    | 20% | 16V  |
| C944 | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10% | 50V  |
| C945 | 1-163-001-11 | CERAMIC CHIP | 220PF    | 10% | 50V  |
| C946 | 1-126-933-11 | ELECT        | 100MF    | 20% | 16V  |
| C949 | 1-161-830-00 | CERAMIC      | 0.0047MF |     | 500V |
| C950 | 1-126-933-11 | ELECT        | 100MF    | 20% | 16V  |
| C951 | 1-107-638-11 | ELECT        | 33MF     | 20% | 160V |
| C952 | 1-104-999-11 | MYLAR        | 0.1MF    | 10% | 200V |
| C953 | 1-106-383-00 | MYLAR        | 0.047MF  | 10% | 200V |
| C954 | 1-137-364-11 | FILM         | 0.001MF  | 5%  | 50V  |
| C955 | 1-107-667-11 | ELECT        | 2.2MF    | 20% | 160V |
| C956 | 1-137-364-11 | FILM         | 0.001MF  | 5%  | 50V  |
| C957 | 1-106-383-00 | MYLAR        | 0.047MF  | 10% | 200V |
| C958 | 1-126-933-11 | ELECT        | 100MF    | 20% | 16V  |
| C961 | 1-163-251-11 | CERAMIC CHIP | 100PF    | 5%  | 50V  |
| C962 | 1-164-232-11 | CERAMIC CHIP | 0.01MF   | 10% | 50V  |
| C965 | 1-163-035-00 | CERAMIC CHIP | 0.047MF  |     | 50V  |
| C966 | 1-163-009-11 | CERAMIC CHIP | 0.001MF  | 10% | 50V  |
| C967 | 1-129-718-00 | FILM         | 0.022MF  | 5%  | 630V |
| C968 | 1-137-579-11 | FILM         | 0.068MF  | 5%  | 100V |
| C969 | 1-163-035-00 | CERAMIC CHIP | 0.047MF  |     | 50V  |

| REF.NO. | PART NO.     | DESCRIPTION | REMARK          |
|---------|--------------|-------------|-----------------|
| C981    | 1-126-941-11 | ELECT       | 470MF 20% 25V   |
| C983    | 1-137-366-11 | FILM        | 0.0022MF 5% 50V |

#### CONNECTOR

|         |              |                              |  |
|---------|--------------|------------------------------|--|
| CN941   | 1-564-511-11 | PLUG, CONNECTOR 8P           |  |
| CN961 * | 1-770-723-11 | CONNECTOR, BOARD TO BOARD 8P |  |
| CN981 * | 1-564-506-11 | PLUG, CONNECTOR 3P           |  |

#### DIODE

|      |              |                  |  |
|------|--------------|------------------|--|
| D941 | 8-719-991-33 | DIODE 1SS133T-77 |  |
| D946 | 8-719-110-88 | DIODE RD39ESB2   |  |
| D947 | 8-719-110-88 | DIODE RD39ESB2   |  |
| D961 | 8-719-109-89 | DIODE RD5.6ESB2  |  |
| D962 | 8-719-991-33 | DIODE 1SS133T-77 |  |

|      |              |            |  |
|------|--------------|------------|--|
| D964 | 8-719-302-43 | DIODE EL1Z |  |
|------|--------------|------------|--|

#### IC

|       |              |             |  |
|-------|--------------|-------------|--|
| IC961 | 8-759-700-07 | IC NJM2903M |  |
| IC981 | 8-759-603-37 | IC M5216P   |  |

#### COIL

|      |              |             |             |
|------|--------------|-------------|-------------|
| L942 | 1-215-863-11 | METAL OXIDE | 100 5% 1W F |
| L962 | 1-406-989-21 | COIL, CHOKE | 10MMH       |
| L963 | 1-406-675-11 | COIL, CHOKE | 4.7MMH      |

#### TRANSISTOR

|      |              |                      |  |
|------|--------------|----------------------|--|
| Q943 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |  |
| Q944 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |  |
| Q945 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |  |
| Q946 | 8-729-017-05 | TRANSISTOR 2SA1837   |  |
| Q947 | 8-729-017-06 | TRANSISTOR 2SC4793   |  |

|      |              |                      |  |
|------|--------------|----------------------|--|
| Q962 | 8-729-931-45 | TRANSISTOR IRF614    |  |
| Q963 | 8-729-216-22 | TRANSISTOR 2SA1162-G |  |
| Q965 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |  |
| Q966 | 8-729-216-22 | TRANSISTOR 2SA1162-G |  |
| Q981 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |  |

#### RESISTOR

|      |              |             |              |
|------|--------------|-------------|--------------|
| R943 | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W |
| R948 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W  |
| R949 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W  |
| R950 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W  |
| R951 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W  |

|      |              |                 |              |
|------|--------------|-----------------|--------------|
| R952 | 1-216-037-00 | METAL GLAZE     | 330 5% 1/10W |
| R953 | 1-216-021-00 | METAL GLAZE     | 68 5% 1/10W  |
| R954 | 1-216-033-00 | METAL GLAZE     | 220 5% 1/10W |
| R955 | 1-216-047-91 | METAL GLAZE     | 820 5% 1/10W |
| R956 | 1-216-295-91 | CONDUCTOR, CHIP | (2012)       |





**Note:** The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO.       | PART NO.     | DESCRIPTION     | REMARK        |
|---------------|--------------|-----------------|---------------|
| R957          | 1-216-073-00 | METAL GLAZE     | 10K 5% 1/10W  |
| R958          | 1-216-295-91 | CONDUCTOR, CHIP | (2012)        |
| R959          | 1-216-021-00 | METAL GLAZE     | 68 5% 1/10W   |
| R960          | 1-216-689-11 | METAL GLAZE     | 39K 5% 1/10W  |
| R961          | 1-216-073-00 | METAL GLAZE     | 10K 5% 1/10W  |
| R962          | 1-216-057-00 | METAL GLAZE     | 2.2K 5% 1/10W |
| R963          | 1-216-097-91 | METAL GLAZE     | 100K 5% 1/10W |
| R964          | 1-216-073-00 | METAL GLAZE     | 10K 5% 1/10W  |
| R965          | 1-216-073-00 | METAL GLAZE     | 10K 5% 1/10W  |
| R966          | 1-216-097-91 | METAL GLAZE     | 100K 5% 1/10W |
| R967          | 1-216-065-00 | METAL GLAZE     | 4.7K 5% 1/10W |
| R968          | 1-216-083-00 | METAL GLAZE     | 27K 5% 1/10W  |
| R969          | 1-216-295-91 | CONDUCTOR, CHIP | (2012)        |
| R970          | 1-216-033-00 | METAL GLAZE     | 220 5% 1/10W  |
| R971          | 1-247-899-11 | CARBON          | 680K 5% 1/4W  |
| R972          | 1-216-073-00 | METAL GLAZE     | 10K 5% 1/10W  |
| R973          | 1-216-121-91 | METAL GLAZE     | 1M 5% 1/10W   |
| R974          | 1-216-073-00 | METAL GLAZE     | 10K 5% 1/10W  |
| R975 $\Delta$ | 1-216-446-00 | METAL OXIDE     | 18 5% 2W F    |
| R976 $\Delta$ | 1-216-423-11 | METAL OXIDE     | 27 5% 1W F    |
| R979          | 1-216-017-91 | METAL GLAZE     | 47 5% 1/10W   |
| R981          | 1-216-081-00 | METAL GLAZE     | 22K 5% 1/10W  |
| R982          | 1-216-081-00 | METAL GLAZE     | 22K 5% 1/10W  |
| R983          | 1-216-081-00 | METAL GLAZE     | 22K 5% 1/10W  |
| R984          | 1-216-081-00 | METAL GLAZE     | 22K 5% 1/10W  |
| R987          | 1-216-049-91 | METAL GLAZE     | 1K 5% 1/10W   |
| R988          | 1-216-295-91 | CONDUCTOR, CHIP | (2012)        |
| R989          | 1-216-304-11 | METAL GLAZE     | 3.3 5% 1/10W  |
| R992          | 1-216-073-00 | METAL GLAZE     | 10K 5% 1/10W  |
| R1941         | 1-260-311-11 | CARBON          | 39 5% 1/2W    |
| R1942         | 1-249-384-11 | CARBON          | 1.8 5% 1/4W F |
| R1943         | 1-249-414-11 | CARBON          | 560 5% 1/4W F |
| R1944         | 1-249-432-11 | CARBON          | 18K 5% 1/4W   |
| R1945         | 1-216-476-11 | METAL OXIDE     | 180 5% 3W F   |
| R1946         | 1-249-417-11 | CARBON          | 1K 5% 1/4W F  |
| R1947         | 1-249-432-11 | CARBON          | 18K 5% 1/4W   |
| R1948         | 1-249-414-11 | CARBON          | 560 5% 1/4W   |
| R1949         | 1-249-384-11 | CARBON          | 1.8 5% 1/4W F |
| R1950         | 1-249-400-11 | CARBON          | 39 5% 1/4W F  |

**WB**

\* A-1372-225-A MOUNTED PCB, WB (KV-32V36/34V36C)

4-382-854-11 SCREW (M3X10), P, SW (+)

#### CAPACITOR

|       |              |              |        |     |     |
|-------|--------------|--------------|--------|-----|-----|
| C2941 | 1-126-935-11 | ELECT        | 470MF  | 20% | 16V |
| C2944 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V |

| REF.NO. | PART NO.     | DESCRIPTION  | REMARK           |
|---------|--------------|--------------|------------------|
| C2946   | 1-126-933-11 | ELECT        | 100MF 20% 16V    |
| C2949   | 1-161-830-00 | CERAMIC      | 0.0047MF 500V    |
| C2950   | 1-126-933-11 | ELECT        | 100MF 20% 16V    |
| C2951   | 1-107-638-11 | ELECT        | 33MF 20% 160V    |
| C2952   | 1-104-999-11 | MYLAR        | 0.1MF 10% 200V   |
| C2953   | 1-106-383-00 | MYLAR        | 0.047MF 10% 200V |
| C2954   | 1-137-364-11 | FILM         | 0.001MF 5% 50V   |
| C2955   | 1-107-667-11 | ELECT        | 2.2MF 20% 160V   |
| C2956   | 1-137-364-11 | FILM         | 0.001MF 5% 50V   |
| C2957   | 1-106-383-00 | MYLAR        | 0.047MF 10% 200V |
| C2958   | 1-126-933-11 | ELECT        | 100MF 20% 16V    |
| C2975   | 1-163-001-11 | CERAMIC CHIP | 220PF 10% 50V    |

#### CONNECTOR

CN2941 \*1-564-508-11 PLUG, CONNECTOR 5P

#### DIODE

|       |              |                  |
|-------|--------------|------------------|
| D2941 | 8-719-991-33 | DIODE 1SS133T-77 |
| D2946 | 8-719-110-88 | DIODE RD39ESB2   |
| D2947 | 8-719-110-88 | DIODE RD39ESB2   |

#### COIL

|       |              |             |     |    |      |
|-------|--------------|-------------|-----|----|------|
| L2942 | 1-215-863-11 | METAL OXIDE | 100 | 5% | 1W F |
|-------|--------------|-------------|-----|----|------|

#### TRANSISTOR

|       |              |                      |
|-------|--------------|----------------------|
| Q2943 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |
| Q2944 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |
| Q2945 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |
| Q2946 | 8-729-017-05 | TRANSISTOR 2SA1837   |
| Q2947 | 8-729-017-06 | TRANSISTOR 2SC4793   |

|       |              |                      |
|-------|--------------|----------------------|
| Q2965 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |
| Q2966 | 8-729-216-22 | TRANSISTOR 2SA1162-G |

#### RESISTOR

|       |              |             |     |    |       |
|-------|--------------|-------------|-----|----|-------|
| R2943 | 1-216-025-91 | METAL GLAZE | 100 | 5% | 1/10W |
| R2948 | 1-216-049-91 | METAL GLAZE | 1K  | 5% | 1/10W |
| R2949 | 1-216-049-91 | METAL GLAZE | 1K  | 5% | 1/10W |
| R2950 | 1-216-049-91 | METAL GLAZE | 1K  | 5% | 1/10W |
| R2951 | 1-216-049-91 | METAL GLAZE | 1K  | 5% | 1/10W |

|       |              |                 |        |    |       |
|-------|--------------|-----------------|--------|----|-------|
| R2952 | 1-216-037-00 | METAL GLAZE     | 330    | 5% | 1/10W |
| R2953 | 1-216-021-00 | METAL GLAZE     | 68     | 5% | 1/10W |
| R2954 | 1-216-033-00 | METAL GLAZE     | 220    | 5% | 1/10W |
| R2955 | 1-216-047-91 | METAL GLAZE     | 820    | 5% | 1/10W |
| R2956 | 1-216-295-91 | CONDUCTOR, CHIP | (2012) |    |       |

|       |              |                 |        |    |       |
|-------|--------------|-----------------|--------|----|-------|
| R2957 | 1-216-073-00 | METAL GLAZE     | 10K    | 5% | 1/10W |
| R2958 | 1-216-295-91 | CONDUCTOR, CHIP | (2012) |    |       |
| R2959 | 1-216-021-00 | METAL GLAZE     | 68     | 5% | 1/10W |
| R2979 | 1-216-017-91 | METAL GLAZE     | 47     | 5% | 1/10W |



Note:

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**HS HV**

| REF.NO. | PART NO.     | DESCRIPTION | REMARK        |
|---------|--------------|-------------|---------------|
| R4941   | 1-260-311-11 | CARBON      | 39 5% 1/2W    |
| R4942   | 1-249-384-11 | CARBON      | 1.8 5% 1/4W F |
| R4943   | 1-249-414-11 | CARBON      | 560 5% 1/4W F |
| R4944   | 1-249-432-11 | CARBON      | 18K 5% 1/4W   |
| R4945   | 1-216-476-11 | METAL OXIDE | 180 5% 3W F   |
| R4946   | 1-249-417-11 | CARBON      | 1K 5% 1/4W F  |
| R4947   | 1-249-432-11 | CARBON      | 18K 5% 1/4W   |
| R4948   | 1-249-414-11 | CARBON      | 560 5% 1/4W   |
| R4949   | 1-249-384-11 | CARBON      | 1.8 5% 1/4W F |
| R4950   | 1-249-400-11 | CARBON      | 39 5% 1/4W F  |

**HS**

\* A-1372-326-A HS BOARD, MOUNTED (EXCEPT KV-37V36M)

CAPACITOR

|       |              |       |        |     |     |
|-------|--------------|-------|--------|-----|-----|
| C2168 | 1-104-665-11 | ELECT | 100MF  | 20% | 25V |
| C2169 | 1-126-959-11 | ELECT | 0.47MF | 20% | 50V |

CONNECTOR

|        |              |                    |
|--------|--------------|--------------------|
| CN2101 | 1-564-524-11 | PLUG, CONNECTOR 9P |
| CN2102 | 1-564-523-11 | PLUG, CONNECTOR 8P |

**HV**

- \* A-1372-330-A HV BOARD, MOUNTED (EXCEPT KV-32V26)
- \* A-1372-325-A HV BOARD, MOUNTED (KV-32V26)

CAPACITOR

|       |              |              |         |     |                                      |
|-------|--------------|--------------|---------|-----|--------------------------------------|
| C2068 | 1-104-665-11 | ELECT        | 100MF   | 20% | 25V                                  |
| C2070 | 1-165-319-11 | CERAMIC CHIP | 0.1MF   | 50V |                                      |
| C2231 | 1-163-031-11 | CERAMIC CHIP | 0.01MF  | 50V |                                      |
|       |              |              |         |     | (KV-32V36/34V36C/35V36/35V76/37V36M) |
| C2232 | 1-136-161-00 | FILM         | 0.047MF | 5%  | 50V                                  |
|       |              |              |         |     | (KV-32V36/34V36C/35V36/35V76/37V36M) |
| C2233 | 1-136-161-00 | FILM         | 0.047MF | 5%  | 50V                                  |
| C2234 | 1-126-960-11 | ELECT        | 1MF     | 20% | 50V                                  |
| C2235 | 1-126-960-11 | ELECT        | 1MF     | 20% | 50V                                  |
| C2236 | 1-126-933-11 | ELECT        | 100MF   | 20% | 16V                                  |

CONNECTOR

|        |               |                                      |
|--------|---------------|--------------------------------------|
| CN2002 | *1-564-518-11 | PLUG, CONNECTOR 3P                   |
|        |               | (KV-32V36/34V36C/35V36/35V76/37V36M) |

DIODE

|       |              |                                      |
|-------|--------------|--------------------------------------|
| D2006 | 1-810-039-11 | LED UNIT                             |
| D2231 | 8-719-110-17 | DIODE RD10ESB2                       |
|       |              | (KV-32V36/34V36C/35V36/35V76/37V36M) |

| REF.NO. | PART NO.     | DESCRIPTION    | REMARK                               |
|---------|--------------|----------------|--------------------------------------|
| D2232   | 8-719-110-17 | DIODE RD10ESB2 | (KV-32V36/34V36C/35V36/35V76/37V36M) |
| D2233   | 8-719-110-17 | DIODE RD10ESB2 | (KV-32V36/34V36C/35V36/35V76/37V36M) |
| D2236   | 8-719-110-17 | DIODE RD10ESB2 |                                      |

IC

|        |              |                |
|--------|--------------|----------------|
| IC2003 | 8-742-014-10 | HIC SBX1981-51 |
| IC2004 | 8-749-012-12 | IC IS474       |

JACK

|       |              |                                      |
|-------|--------------|--------------------------------------|
| J2231 | 1-691-110-11 | JACK, PIN 3P                         |
| J2232 | 1-694-063-11 | TERMINAL, S                          |
|       |              | (KV-32V36/34V36C/35V36/35V76/37V36M) |

TRANSISTOR

|       |              |                      |
|-------|--------------|----------------------|
| Q2008 | 8-729-216-22 | TRANSISTOR 2SA1162-G |
| Q2009 | 8-729-422-27 | TRANSISTOR 2SD601A-Q |

RESISTOR

|       |              |             |      |    |                                      |
|-------|--------------|-------------|------|----|--------------------------------------|
| R2009 | 1-216-033-00 | METAL GLAZE | 220  | 5% | 1/10W                                |
| R2010 | 1-216-033-00 | METAL GLAZE | 220  | 5% | 1/10W                                |
| R2011 | 1-216-025-91 | METAL GLAZE | 100  | 5% | 1/10W                                |
| R2012 | 1-216-089-91 | METAL GLAZE | 47K  | 5% | 1/10W                                |
| R2013 | 1-216-105-91 | METAL GLAZE | 220K | 5% | 1/10W                                |
| R2014 | 1-216-033-00 | METAL GLAZE | 220  | 5% | 1/10W                                |
| R2015 | 1-247-807-31 | CARBON      | 100  | 5% | 1/4W                                 |
| R2016 | 1-216-133-00 | METAL GLAZE | 3.3M | 5% | 1/10W                                |
|       |              |             |      |    | (KV-32V26)                           |
| R2059 | 1-216-047-91 | METAL GLAZE | 820  | 5% | 1/10W                                |
|       |              |             |      |    | (KV-32V26)                           |
| R2060 | 1-216-049-91 | METAL GLAZE | 1K   | 5% | 1/10W                                |
|       |              |             |      |    | (KV-32V26)                           |
| R2061 | 1-216-055-00 | METAL GLAZE | 1.8K | 5% | 1/10W                                |
|       |              |             |      |    | (KV-32V26)                           |
| R2062 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W                                |
|       |              |             |      |    | (KV-32V26)                           |
| R2063 | 1-216-073-00 | METAL GLAZE | 10K  | 5% | 1/10W                                |
|       |              |             |      |    | (KV-32V26)                           |
| R2231 | 1-216-022-00 | METAL GLAZE | 75   | 5% | 1/10W                                |
|       |              |             |      |    | (KV-32V36/34V36C/35V36/35V76/37V36M) |
| R2232 | 1-216-022-00 | METAL GLAZE | 75   | 5% | 1/10W                                |
|       |              |             |      |    | (KV-32V36/34V36C/35V36/35V76/37V36M) |
| R2233 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W                                |
|       |              |             |      |    | (KV-32V36/34V36C/35V36/35V76/37V36M) |
| R2235 | 1-216-022-00 | METAL GLAZE | 75   | 5% | 1/10W                                |
| R2236 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W                                |
| R2237 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W                                |
| R2238 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W                                |
| R2239 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W                                |



**Note:** The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO.     | DESCRIPTION                | REMARK |
|---------|--------------|----------------------------|--------|
| S2001   | 1-692-431-21 | SWITCH, TACTILE (KV-32V26) |        |
| S2002   | 1-692-431-21 | SWITCH, TACTILE (KV-32V26) |        |
| S2003   | 1-692-431-21 | SWITCH, TACTILE (KV-32V26) |        |
| S2004   | 1-692-431-21 | SWITCH, TACTILE (KV-32V26) |        |
| S2005   | 1-692-431-21 | SWITCH, TACTILE (KV-32V26) |        |
| S2006   | 1-692-431-21 | SWITCH, TACTILE (KV-32V26) |        |
| S2007   | 1-692-431-21 | SWITCH, TACTILE (KV-32V26) |        |



\*A-1380-518-A MOUNTED PWB, K (KV-32V36/34V36C/35V76)

4-382-854-11 SCREW (M3X10), P, SW (+)

#### CAPACITOR

|       |              |       |        |     |     |
|-------|--------------|-------|--------|-----|-----|
| C1462 | 1-126-961-11 | ELECT | 2.2MF  | 20% | 50V |
| C1463 | 1-126-961-11 | ELECT | 2.2MF  | 20% | 50V |
| C1464 | 1-126-969-11 | ELECT | 220MF  | 20% | 50V |
| C1465 | 1-104-664-11 | ELECT | 47MF   | 20% | 25V |
| C1466 | 1-126-969-11 | ELECT | 220MF  | 20% | 50V |
| C1467 | 1-126-961-11 | ELECT | 2.2MF  | 20% | 50V |
| C1469 | 1-136-173-00 | FILM  | 0.47MF | 5%  | 50V |
| C1470 | 1-136-169-00 | FILM  | 0.22MF | 5%  | 50V |
| C1471 | 1-136-169-00 | FILM  | 0.22MF | 5%  | 50V |
| C1472 | 1-128-548-11 | ELECT | 4700MF | 20% | 25V |
| C1473 | 1-126-943-11 | ELECT | 2200MF | 20% | 25V |
| C1474 | 1-126-943-11 | ELECT | 2200MF | 20% | 25V |
| C1475 | 1-128-548-11 | ELECT | 4700MF | 20% | 25V |
| C1476 | 1-124-564-11 | ELECT | 4700MF | 20% | 25V |

#### CONNECTOR

CN1461\* 1-564-510-11 PLUG, CONNECTOR 7P  
CN1462\* 1-564-507-11 PLUG, CONNECTOR 4P

#### DIODE

D1461 8-719-991-33 DIODE 1SS133T-77

#### IC

IC1461 8-759-980-43 IC TDA2009A

#### IC LINK

PS1461  $\Delta$  1-532-984-11 LINK, IC 2A/90V

#### TRANSISTOR

Q1461 8-729-422-27 TRANSISTOR 2SD601A-Q  
Q1462 8-729-216-22 TRANSISTOR 2SA1162-G

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

#### RESISTOR

|       |              |             |      |       |        |
|-------|--------------|-------------|------|-------|--------|
| R1461 | 1-216-065-00 | METAL GLAZE | 4.7K | 5%    | 1/10W  |
| R1462 | 1-216-089-91 | METAL GLAZE | 47K  | 5%    | 1/10W  |
| R1463 | 1-249-435-11 | CARBON      | 33K  | 5%    | 1/4W   |
| R1464 | 1-208-775-11 | METAL GLAZE | 510  | 0.50% | 1/10W  |
| R1465 | 1-216-011-00 | METAL GLAZE | 27   | 5%    | 1/10W  |
| R1467 | 1-216-011-00 | METAL GLAZE | 27   | 5%    | 1/10W  |
| R1468 | 1-208-775-11 | METAL GLAZE | 510  | 0.50% | 1/10W  |
| R1469 | 1-216-011-00 | METAL GLAZE | 27   | 5%    | 1/10W  |
| R1471 | 1-216-011-00 | METAL GLAZE | 27   | 5%    | 1/10W  |
| R1472 | 1-249-418-11 | CARBON      | 1.2K | 5%    | 1/4W F |
| R1473 | 1-249-413-11 | CARBON      | 470  | 5%    | 1/4W   |
| R1474 | 1-249-441-11 | CARBON      | 100K | 5%    | 1/4W   |
| R1475 | 1-249-430-11 | CARBON      | 12K  | 5%    | 1/4W   |
| R1476 | 1-249-430-11 | CARBON      | 12K  | 5%    | 1/4W   |
| R1477 | 1-249-385-11 | CARBON      | 2.2  | 5%    | 1/4W F |
| R1478 | 1-249-418-11 | CARBON      | 1.2K | 5%    | 1/4W F |
| R1479 | 1-249-385-11 | CARBON      | 2.2  | 5%    | 1/4W F |
| R1480 | 1-249-421-11 | CARBON      | 2.2K | 5%    | 1/4W   |
| R1481 | 1-249-421-11 | CARBON      | 2.2K | 5%    | 1/4W   |
| R1482 | 1-249-421-11 | CARBON      | 2.2K | 5%    | 1/4W   |
| R1483 | 1-249-421-11 | CARBON      | 2.2K | 5%    | 1/4W   |



\* A-1390-585-A SC BOARD, MOUNTED

#### CONNECTOR

CN104 1-573-978-21 CONNECTOR, BOARD TO BOARD 11P  
CN105 1-573-978-21 CONNECTOR, BOARD TO BOARD 11P



\*A-1394-844-A UV BOARD, COMPLETE (KV-32V26)

\*A-1394-846-A UV BOARD, COMPLETE (KV-35V36/35V76/34V36C)

\*A-1394-847-A UV BOARD, COMPLETE (KV-35V36/37V36M)

#### CAPACITOR

|      |              |              |          |     |     |
|------|--------------|--------------|----------|-----|-----|
| C151 | 1-126-960-11 | ELECT        | 1MF      | 20% | 50V |
| C152 | 1-126-960-11 | ELECT        | 1MF      | 20% | 50V |
| C153 | 1-164-489-11 | CERAMIC CHIP | 0.22MF   | 10% | 16V |
| C154 | 1-164-489-11 | CERAMIC CHIP | 0.22MF   | 10% | 16V |
| C156 | 1-164-182-11 | CERAMIC CHIP | 0.0033MF | 10% | 50V |
| C157 | 1-163-123-00 | CERAMIC CHIP | 180PF    | 5%  | 50V |
| C158 | 1-163-034-00 | CERAMIC CHIP | 0.033MF  |     | 50V |
| C159 | 1-163-017-00 | CERAMIC CHIP | 0.0047MF | 10% | 50V |
| C160 | 1-126-959-11 | ELECT        | 0.47MF   | 20% | 50V |
| C161 | 1-126-960-11 | ELECT        | 1MF      | 20% | 50V |

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**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

**UV**

| REF.NO. | PART NO.     | DESCRIPTION  | REMARK                               |
|---------|--------------|--------------|--------------------------------------|
| C162    | 1-126-960-11 | ELECT        | 1MF 20% 50V                          |
| C163    | 1-165-319-11 | CERAMIC CHIP | 0.1MF 50V                            |
| C164    | 1-165-319-11 | CERAMIC CHIP | 0.1MF 50V                            |
| C165    | 1-165-319-11 | CERAMIC CHIP | 0.1MF 50V                            |
| C166    | 1-165-319-11 | CERAMIC CHIP | 0.1MF 50V                            |
| C167    | 1-126-933-11 | ELECT        | 100MF 20% 16V                        |
| C168    | 1-126-964-11 | ELECT        | 10MF 20% 50V                         |
| C170    | 1-163-123-00 | CERAMIC CHIP | 180PF 5% 50V                         |
| C231    | 1-163-031-11 | CERAMIC CHIP | 0.01MF 50V                           |
| C232    | 1-136-161-00 | FILM         | 0.047MF 5% 50V                       |
| C233    | 1-136-161-00 | FILM         | 0.047MF 5% 50V                       |
| C234    | 1-126-960-11 | ELECT        | 1MF 20% 50V                          |
| C235    | 1-126-960-11 | ELECT        | 1MF 20% 50V                          |
| C236    | 1-136-161-00 | FILM         | 0.047MF 5% 50V                       |
| C237    | 1-126-960-11 | ELECT        | 1MF 20% 50V                          |
| C238    | 1-126-960-11 | ELECT        | 1MF 20% 50V                          |
| C241    | 1-126-941-11 | ELECT        | 470MF 20% 25V                        |
| C242    | 1-126-959-11 | ELECT        | 0.47MF 20% 50V                       |
| C244    | 1-126-959-11 | ELECT        | 0.47MF 20% 50V                       |
| C245    | 1-126-941-11 | ELECT        | 470MF 20% 25V                        |
|         |              |              | (KV-32V36/34V36C/35V76)              |
| C246    | 1-126-959-11 | ELECT        | 0.47MF 20% 50V                       |
|         |              |              | (KV-32V36/34V36C/35V76)              |
| C247    | 1-126-959-11 | ELECT        | 0.47MF 20% 50V                       |
|         |              |              | (KV-32V36/34V36C/35V76)              |
| C261    | 1-136-161-00 | FILM         | 0.047MF 5% 50V                       |
|         |              |              | (KV-35V36/37V36M/34V36C/32V36/35V76) |
| C262    | 1-104-664-11 | ELECT        | 47MF 20% 25V                         |
| C263    | 1-136-161-00 | FILM         | 0.047MF 5% 50V                       |
| C264    | 1-126-941-11 | ELECT        | 470MF 20% 25V                        |
| C265    | 1-104-664-11 | ELECT        | 47MF 20% 25V                         |
| C266    | 1-126-960-11 | ELECT        | 1MF 20% 50V                          |
|         |              |              | (KV-35V36/37V36M/34V36C/32V36/35V76) |
| C267    | 1-126-960-11 | ELECT        | 1MF 20% 50V                          |
|         |              |              | (KV-35V36/37V36M/34V36C/32V36/35V76) |
| C270    | 1-126-960-11 | ELECT        | 1MF 20% 50V                          |
| C271    | 1-126-960-11 | ELECT        | 1MF 20% 50V                          |
| C273    | 1-136-165-00 | FILM         | 0.1MF 5% 50V                         |
| C274    | 1-163-031-11 | CERAMIC CHIP | 0.01MF 50V                           |
| C275    | 1-104-664-11 | ELECT        | 47MF 20% 25V                         |
| C276    | 1-163-251-11 | CERAMIC CHIP | 100PF 5% 50V                         |
| C301    | 1-126-935-11 | ELECT        | 470MF 20% 16V                        |
| C302    | 1-126-935-11 | ELECT        | 470MF 20% 16V                        |
|         |              |              | (KV-35V36/37V36M/34V36C/32V36/35V76) |

#### FILTER BLOCK

|       |              |                                      |
|-------|--------------|--------------------------------------|
| CM301 | 1-467-554-21 | FILTER BLOCK, COMB (KV-32V26)        |
| CM302 | 1-467-656-11 | FILTER BLOCK, COMB (EXCEPT KV-32V26) |

| REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|----------|-------------|--------|
|---------|----------|-------------|--------|

#### CONNECTOR

|         |              |                               |
|---------|--------------|-------------------------------|
| CN261   | 1-573-979-21 | CONNECTOR, BOARD TO BOARD 11P |
| CN262   | 1-573-301-21 | CONNECTOR, BOARD TO BOARD 20P |
| CN263 * | 1-564-506-11 | PLUG, CONNECTOR 3P            |
| CN264   | 1-573-979-21 | CONNECTOR, BOARD TO BOARD 11P |

#### DIODE

|      |              |  |
|------|--------------|--|
| D231 | 8-719-110-17 | DIODE RD10ESB2                         |
| D232 | 8-719-110-17 | DIODE RD10ESB2                         |
| D233 | 8-719-110-17 | DIODE RD10ESB2                         |
| D234 | 8-719-110-17 | DIODE RD10ESB2                         |
| D235 | 8-719-110-17 | DIODE RD10ESB2                         |
| D236 | 8-719-110-17 | DIODE RD10ESB2                         |
| D237 | 8-719-981-99 | DIODE MTZJ-3.3                         |
| D238 | 8-719-981-99 | DIODE MTZJ-3.3                         |
| D239 | 8-719-981-99 | DIODE MTZJ-3.3 (KV-32V36/34V36C/35V76) |
| D240 | 8-719-110-17 | DIODE RD10ESB2                         |
| D241 | 8-719-110-17 | DIODE RD10ESB2                         |
| D242 | 8-719-110-17 | DIODE RD10ESB2                         |
| D243 | 8-719-110-17 | DIODE RD10ESB2                         |
| D244 | 8-719-110-17 | DIODE RD10ESB2                         |
| D245 | 8-719-981-99 | DIODE MTZJ-3.3 (KV-32V36/34V36C/35V76) |
| D246 | 8-719-981-99 | DIODE MTZJ-3.3 (KV-32V36/34V36C/35V76) |
| D264 | 8-719-110-17 | DIODE RD10ESB2                         |
| D265 | 8-719-110-17 | DIODE RD10ESB2                         |
| D902 | 8-719-921-54 | DIODE MTZJ-6.2B                        |

#### IC

|       |              |              |
|-------|--------------|--------------|
| IC151 | 8-759-700-44 | IC NJM2902M  |
| IC152 | 8-759-700-44 | IC NJM2902M  |
| IC153 | 8-759-100-96 | IC UPC4558G2 |
| IC154 | 8-759-068-07 | IC CD4052BCN |
| IC261 | 8-759-366-78 | IC MM1313AD  |

#### JACK

|      |              |  |
|------|--------------|--|
| J231 | 1-750-515-11 | TERMINAL BLOCK, S 3P                       |
| J232 | 1-750-517-11 | JACK BLOCK, PIN 3P                         |
| J233 | 1-750-516-11 | JACK BLOCK, PIN 2P                         |
| J234 | 1-750-517-11 | JACK BLOCK, PIN 3P                         |
| J235 | 1-750-517-11 | JACK BLOCK, PIN 3P (KV-34V36C/32V36/35V76) |
| J902 | 1-764-143-11 | JACK 3P                                    |
| J903 | 1-764-143-11 | JACK 3P                                    |
| J904 | 1-764-143-11 | JACK 3P                                    |

#### CHIP CONDUCTOR

|       |              |                        |
|-------|--------------|------------------------|
| JR151 | 1-216-295-91 | CONDUCTOR, CHIP (2012) |
| JR152 | 1-216-295-91 | CONDUCTOR, CHIP (2012) |



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| REF.NO.           | PART NO.     | DESCRIPTION                                  | REMARK   |
|-------------------|--------------|--|----------|
| JR201             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR202             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR204             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR205             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR206             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR208             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR209             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR210             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR211             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR212             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR213             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR214             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR215             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR216             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR217             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR218             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR219             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR220             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR221             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR222             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR223             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR226             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| JR228             | 1-216-295-91 | CONDUCTOR, CHIP (2012)                       |          |
| <b>TRANSISTOR</b> |              |  |          |
| Q231              | 8-729-422-27 | TRANSISTOR 2SD601A-Q                         |          |
| Q232              | 8-729-422-27 | TRANSISTOR 2SD601A-Q (KV-32V36/34V36C/35V76) |          |
| Q233              | 8-729-422-27 | TRANSISTOR 2SD601A-Q                         |          |
| Q234              | 8-729-422-27 | TRANSISTOR 2SD601A-Q                         |          |
| Q235              | 8-729-422-27 | TRANSISTOR 2SD601A-Q (KV-32V36/34V36C/35V76) |          |
| Q236              | 8-729-422-27 | TRANSISTOR 2SD601A-Q (KV-32V36/34V36C/35V76) |          |
| Q237              | 8-729-216-22 | TRANSISTOR 2SB709A-Q                         |          |
| Q238              | 8-729-216-22 | TRANSISTOR 2SB709A-Q                         |          |
| Q239              | 8-729-216-22 | TRANSISTOR 2SB709A-Q                         |          |
| Q240              | 8-729-216-22 | TRANSISTOR 2SB709A-Q (KV-32V36/34V36C/35V76) |          |
| Q241              | 8-729-216-22 | TRANSISTOR 2SB709A-Q (KV-32V36/34V36C/35V76) |          |
| Q242              | 8-729-216-22 | TRANSISTOR 2SB709A-Q (KV-32V36/34V36C/35V76) |          |
| Q241              | 8-729-216-22 | TRANSISTOR 2SB709A-Q (KV-32V36/34V36C/35V76) |          |
| Q242              | 8-729-216-22 | TRANSISTOR 2SB709A-Q (KV-32V36/34V36C/35V76) |          |
| Q243              | 8-729-216-22 | TRANSISTOR 2SB709A-Q                         |          |
| Q261              | 8-729-422-27 | TRANSISTOR 2SD601A-Q (EXCEPT KV-32V26)       |          |
| Q262              | 8-729-422-27 | TRANSISTOR 2SD601A-Q                         |          |
| Q263              | 8-729-216-22 | TRANSISTOR 2SB709A-Q                         |          |
| Q265              | 8-729-216-22 | TRANSISTOR 2SB709A-Q                         |          |
| <b>RESISTOR</b>   |              |  |          |
| R151              | 1-216-085-00 | METAL GLAZE 33K                              | 5% 1/10W |
| R152              | 1-216-075-00 | METAL GLAZE 12K                              | 5% 1/10W |
| R153              | 1-216-073-00 | METAL GLAZE 10K                              | 5% 1/10W |

| REF.NO. | PART NO.     | DESCRIPTION      | REMARK   |
|---------|--------------|------------------|----------|
| R154    | 1-216-085-00 | METAL GLAZE 33K  | 5% 1/10W |
| R155    | 1-216-075-00 | METAL GLAZE 12K  | 5% 1/10W |
| R156    | 1-216-073-00 | METAL GLAZE 10K  | 5% 1/10W |
| R157    | 1-216-079-00 | METAL GLAZE 18K  | 5% 1/10W |
| R158    | 1-216-073-00 | METAL GLAZE 10K  | 5% 1/10W |
| R159    | 1-216-073-00 | METAL GLAZE 10K  | 5% 1/10W |
| R160    | 1-216-079-00 | METAL GLAZE 18K  | 5% 1/10W |
| R161    | 1-216-073-00 | METAL GLAZE 10K  | 5% 1/10W |
| R162    | 1-216-073-00 | METAL GLAZE 10K  | 5% 1/10W |
| R163    | 1-216-073-00 | METAL GLAZE 10K  | 5% 1/10W |
| R164    | 1-216-065-00 | METAL GLAZE 4.7K | 5% 1/10W |
| R165    | 1-216-073-00 | METAL GLAZE 10K  | 5% 1/10W |
| R166    | 1-216-049-91 | METAL GLAZE 1K   | 5% 1/10W |
| R167    | 1-216-065-00 | METAL GLAZE 4.7K | 5% 1/10W |
| R168    | 1-216-077-00 | METAL GLAZE 15K  | 5% 1/10W |
| R169    | 1-216-099-00 | METAL GLAZE 120K | 5% 1/10W |
| R170    | 1-216-049-91 | METAL GLAZE 1K   | 5% 1/10W |
| R171    | 1-216-049-91 | METAL GLAZE 1K   | 5% 1/10W |
| R172    | 1-216-057-00 | METAL GLAZE 2.2K | 5% 1/10W |
| R173    | 1-216-065-00 | METAL GLAZE 4.7K | 5% 1/10W |
| R174    | 1-216-081-00 | METAL GLAZE 22K  | 5% 1/10W |
| R175    | 1-216-081-00 | METAL GLAZE 22K  | 5% 1/10W |
| R176    | 1-216-081-00 | METAL GLAZE 22K  | 5% 1/10W |
| R177    | 1-216-049-91 | METAL GLAZE 1K   | 5% 1/10W |
| R178    | 1-216-065-00 | METAL GLAZE 4.7K | 5% 1/10W |
| R179    | 1-216-065-00 | METAL GLAZE 4.7K | 5% 1/10W |
| R180    | 1-216-099-00 | METAL GLAZE 120K | 5% 1/10W |
| R181    | 1-216-049-91 | METAL GLAZE 1K   | 5% 1/10W |
| R183    | 1-216-081-00 | METAL GLAZE 22K  | 5% 1/10W |
| R184    | 1-216-081-00 | METAL GLAZE 22K  | 5% 1/10W |
| R185    | 1-216-081-00 | METAL GLAZE 22K  | 5% 1/10W |
| R186    | 1-216-089-91 | METAL GLAZE 47K  | 5% 1/10W |
| R187    | 1-216-099-00 | METAL GLAZE 120K | 5% 1/10W |
| R188    | 1-216-097-91 | METAL GLAZE 100K | 5% 1/10W |
| R189    | 1-216-097-91 | METAL GLAZE 100K | 5% 1/10W |
| R190    | 1-216-081-00 | METAL GLAZE 22K  | 5% 1/10W |
| R191    | 1-216-089-91 | METAL GLAZE 47K  | 5% 1/10W |
| R192    | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W |
| R193    | 1-216-075-00 | METAL GLAZE 12K  | 5% 1/10W |
| R194    | 1-216-099-00 | METAL GLAZE 120K | 5% 1/10W |
| R195    | 1-216-097-91 | METAL GLAZE 47K  | 5% 1/10W |
| R196    | 1-216-089-91 | METAL GLAZE 47K  | 5% 1/10W |
| R197    | 1-216-097-91 | METAL GLAZE 100K | 5% 1/10W |
| R198    | 1-216-081-00 | METAL GLAZE 22K  | 5% 1/10W |
| R199    | 1-216-089-91 | METAL GLAZE 47K  | 5% 1/10W |
| R200    | 1-216-081-00 | METAL GLAZE 22K  | 5% 1/10W |
| R201    | 1-216-065-00 | METAL GLAZE 4.7K | 5% 1/10W |
| R202    | 1-216-049-91 | METAL GLAZE 1K   | 5% 1/10W |
| R203    | 1-216-069-00 | METAL GLAZE 6.8K | 5% 1/10W |

**Note:** The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



| REF.NO. | PART NO.     | DESCRIPTION            | REMARK                                   |
|---------|--------------|------------------------|--|
| R204    | 1-216-069-00 | METAL GLAZE            | 6.8K 5% 1/10W                            |
| R206    | 1-216-049-91 | METAL GLAZE            | 1K 5% 1/10W<br>(KV-32V36/34V36C/35V76)   |
| R207    | 1-216-295-91 | CONDUCTOR, CHIP (2012) | (KV-32V36/34V36C/35V76)                  |
| R208    | 1-216-049-91 | METAL GLAZE            | 1K 5% 1/10W<br>(KV-32V36/34V36C/35V76)   |
| R209    | 1-216-069-00 | METAL GLAZE            | 6.8K 5% 1/10W<br>(KV-32V36/34V36C/35V76) |
| R210    | 1-216-069-00 | METAL GLAZE            | 6.8K 5% 1/10W<br>(32V36/34V36C/35V76)    |
| R212    | 1-249-440-11 | CARBON                 | 82K 5% 1/4W                              |
| R213    | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W                            |
| R214    | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W                            |
| R215    | 1-249-413-11 | CARBON                 | 470 5% 1/4W                              |
| R216    | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W                             |
| R217    | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W                             |
| R218    | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W                             |
| R219    | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W<br>(32V36/34V36C/35V76)    |
| R220    | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W<br>(32V36/34V36C/35V76)    |
| R221    | 1-249-413-11 | CARBON                 | 470 5% 1/4W<br>(32V36/34V36C/35V76)      |
| R222    | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W<br>(32V36/34V36C/35V76)     |
| R223    | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W<br>(32V36/34V36C/35V76)     |
| R224    | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W<br>(32V36/34V36C/35V76)     |
| R225    | 1-247-815-91 | CARBON                 | 220 5% 1/4W                              |
| R226    | 1-247-815-91 | CARBON                 | 220 5% 1/4W                              |
| R227    | 1-249-440-11 | CARBON                 | 82K 5% 1/4W                              |
| R228    | 1-216-033-00 | METAL GLAZE            | 220 5% 1/10W                             |
| R229    | 1-216-025-91 | METAL GLAZE            | 100 5% 1/10W                             |
| R230    | 1-216-033-00 | METAL GLAZE            | 220 5% 1/10W                             |
| R231    | 1-216-022-00 | METAL GLAZE            | 75 5% 1/10W                              |
| R232    | 1-216-022-00 | METAL GLAZE            | 75 5% 1/10W                              |
| R233    | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W                            |
| R234    | 1-216-022-00 | METAL GLAZE            | 75 5% 1/10W                              |
| R235    | 1-216-113-00 | METAL GLAZE            | 470K 5% 1/10W                            |
| R236    | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W                            |
| R237    | 1-216-113-00 | METAL GLAZE            | 470K 5% 1/10W                            |
| R238    | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W                            |
| R239    | 1-216-022-00 | METAL GLAZE            | 75 5% 1/10W                              |
| R240    | 1-216-113-00 | METAL GLAZE            | 470K 5% 1/10W                            |
| R241    | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W                            |
| R242    | 1-216-113-00 | METAL GLAZE            | 470K 5% 1/10W                            |
| R243    | 1-216-065-00 | METAL GLAZE            | 4.7K 5% 1/10W                            |
| R244    | 1-216-113-00 | METAL GLAZE            | 470K 5% 1/10W                            |
| R245    | 1-249-417-11 | CARBON                 | 1K 5% 1/4W                               |

| REF.NO. | PART NO.     | DESCRIPTION | REMARK                                 |
|---------|--------------|-------------|--|
| R246    | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W                          |
| R247    | 1-249-417-11 | CARBON      | 1K 5% 1/4W                             |
| R248    | 1-216-021-00 | METAL GLAZE | 68 5% 1/10W                            |
| R249    | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W                          |
| R250    | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W                          |
| R251    | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W                          |
| R252    | 1-216-019-00 | METAL GLAZE | 56 5% 1/10W<br>(32V36/34V36C/35V76)    |
| R253    | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W<br>(32V36/34V36C/35V76)  |
| R254    | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W<br>(32V36/34V36C/35V76)  |
| R255    | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W<br>(32V36/34V36C/35V76)  |
| R256    | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W                          |
| R258    | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W<br>(32V36/34V36C/35V76)  |
| R259    | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W                          |
| R260    | 1-247-807-31 | CARBON      | 100 5% 1/4W                            |
| R261    | 1-216-009-00 | METAL GLAZE | 22 5% 1/10W                            |
| R264    | 1-247-815-91 | CARBON      | 220 5% 1/4W                            |
| R265    | 1-247-815-91 | CARBON      | 220 5% 1/4W                            |
| R266    | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W<br>(EXCEPT KV-32V26)      |
| R267    | 1-249-415-11 | CARBON      | 680 5% 1/4W<br>(EXCEPT KV-32V26)       |
| R268    | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W                           |
| R269    | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W                           |
| R270    | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W                           |
| R271    | 1-249-415-11 | CARBON      | 680 5% 1/4W                            |
| R272    | 1-249-417-11 | CARBON      | 1K 5% 1/4W                             |
| R274    | 1-249-413-11 | CARBON      | 470 5% 1/4W                            |
| R275    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W<br>(EXCEPT KV-32V26)      |
| R276    | 1-249-425-11 | CARBON      | 4.7K 5% 1/4W<br>(EXCEPT KV-32V26)      |
| R277    | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W                            |
| R278    | 1-249-413-11 | CARBON      | 470 5% 1/4W<br>(KV-32V36/34V36C/35V76) |
| R279    | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W                           |
| R280    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W                           |
| R281    | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W                           |
| R282    | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W                           |
| R283    | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W                           |
| R284    | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W                          |
| R285    | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W                          |
| R286    | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W                            |
| R288    | 1-247-815-91 | CARBON      | 220 5% 1/4W                            |
| R289    | 1-247-815-91 | CARBON      | 220 5% 1/4W                            |
| R290    | 1-247-815-91 | CARBON      | 220 5% 1/4W                            |
| R291    | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W                           |



**Note:** The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

**Note:** Les composants identifiés par un trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO.      | DESCRIPTION           | REMARK        |
|---------|---------------|-----------------------|---------------|
| R293    | 1-216-025-91  | METAL GLAZE           | 100 5% 1/10W  |
| R294    | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R301    | 1-249-417-11  | CARBON                | 1K 5% 1/4W    |
| R304    | 1-249-417-11  | CARBON                | 1K 5% 1/4W    |
| R902    | 1-249-405-11  | CARBON                | 100 5% 1/4W F |
| R919    | 1-216-295-91  | CONDUCTOR,CHIP (2012) |               |
| R920    | 1-249-405-11  | CARBON                | 100 5% 1/4W F |
| R921    | 1-249-405-11  | CARBON                | 100 5% 1/4W F |
| R922    | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R923    | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R924    | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R925    | 1-215-433-00  | METAL                 | 3.3K 1% 1/4W  |
| R926    | 1-215-433-00  | METAL                 | 3.3K 1% 1/4W  |
| R1151   | 1-216-053-00  | METAL GLAZE           | 1.5K 5% 1/10W |
| R1152   | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R1153   | 1-216-089-91  | METAL GLAZE           | 47K 5% 1/10W  |
| R1154   | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R1155   | 1-216-089-91  | METAL GLAZE           | 47K 5% 1/10W  |
| R1156   | 1-216-073-00  | METAL GLAZE           | 10K 5% 1/10W  |
| R1157   | 1-216-073-00  | METAL GLAZE           | 10K 5% 1/10W  |
| R1158   | 1-216-065-00  | METAL GLAZE           | 4.7K 5% 1/10W |
| R1159   | 1-216-065-00  | METAL GLAZE           | 4.7K 5% 1/10W |
| R1160   | 1-216-295-91  | CONDUCTOR,CHIP (2012) |               |
| R1161   | 1-216-295-91  | CONDUCTOR,CHIP (2012) |               |
| R1164   | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R1165   | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R1166   | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R1167   | 1-216-049-91  | METAL GLAZE           | 1K 5% 1/10W   |
| R1168   | 1-21 6-049-91 | METAL GLAZE           | 1K 5% 1/10W   |

### MISCELLANEOUS

#### KV-32V26/32V36/34V36C ONLY

|                       |   |
|-----------------------|---|
| $\Delta$ 1-411-474-11 | COIL, DEMAGNETIC (KV-34V36C)                        |
| $\Delta$ 1-411-952-11 | COIL, DEMAGNETIC (KV-32V26/32V36)                   |
| 1-452-579-21          | MAGNET, DISC (KV-32V26/32V36/34V36C)                |
| $\Delta$ 1-452-579-21 | NECK ASSY, CRT (NA322) (KV-34V36C)                  |
| 1-473-549-11          | SWITCH BLOCK, CONTROL (EXCEPT KV-32V26)             |
| 1-504-524-11          | SPEAKER (8CM) (KV-32V26)                            |
| 1-505-326-11          | SPEAKER (8CM) (KV-32V36/34V36C)                     |
| * 1-557-056-31        | CABLE P-P (KV-32V36/34V36C)                         |
| * 1-556-945-21        | CABLE P-P (KV-32V36/34V36C)                         |
| $\Delta$ 1-751-059-11 | CORD, POWER (WITH CONNECTOR) (KV-34V36C)            |
| 1-776-374-11          | PLUG, F-PIN (KV-32V26)                              |
| $\Delta$ 8-451-482-11 | DEFLECTION YOKE (Y34FXA2-X) (KV-32V26/32V36/34V36C) |
| 8-598-414-00          | ANTENNA SWITCH (KV-32V26/34V36C)                    |
| $\Delta$ 8-733-745-05 | CRT 34FXD2 (SPD) (XBR) (KV-32V26/32V36/34V36C)      |
| 1-900-800-81          | WIRE ASSY, G2 LEAD (KV-32V26)                       |
| 1-900-800-82          | WIRE ASSY, FOCUS (KV-32V36)                         |

| REF.NO.                           | PART NO.                                      | DESCRIPTION | REMARK                  |
|-----------------------------------|---|-------------|-------------------------|
| <b>KV-35V36/35V76/37V36M ONLY</b> |   |             |                         |
| $\Delta$ 1-411-881-11             | COIL, DEMAGNETIC (KV-35V36/35V76/37V36M)      |             |                         |
| $\Delta$ 1-411-882-11             | COIL, DEMAGNETIC (KV-35V36/35V76/37V36M)      |             |                         |
| 1-473-549-11                      | SWITCH BLOCK, CONTROL (KV-35V36/35V76/37V36M) |             |                         |
| 1-556-945-21                      | CABLE P-P                                     |             |                         |
| 1-557-056-31                      | CABLE P-P (KV-35V36/35V76/37V36M)             |             |                         |
| $\Delta$ 1-751-059-11             | CORD, POWER (WITH CONNECTOR)                  |             | (KV-35V36/35V76/37V36M) |
| 8-453-007-11                      | NA324-M (KV-35V36/35V76/37V36M)               |             |                         |
| 8-598-414-00                      | ANTENNA SWITCH (KV-35V36/35V76/37V36M)        |             |                         |
| $\Delta$ 8-733-760-71             | ITC 37GX-A1 (KV-35V36/35V76/37V36M)           |             |                         |

### ACCESSORIES AND PACKING MATERIALS

|              |                    |
|--------------|--------------------|
| 3-701-627-00 | BAG, POLYETHYLENE  |
| 3-859-518-21 | MANUAL INSTRUCTION |

#### KV-32V26/32V36/34V36C ONLY

|                |   |
|----------------|---|
| * 4-049-758-11 | BAG, PROTECTION (KV-32V26/32V36/34V36C)       |
| * 4-054-067-01 | CUSHION (UPPER ASSY) (KV-32V26/32V36/34V36C)  |
| * 4-054-070-01 | CUSHION (LOWER, ASSY) (KV-32V26/32V36/34V36C) |
| * 4-054-073-01 | INDIVIDUAL CARTON (KV-32V26/32V36/34V36C)     |
| * 4-054-074-01 | INDIVIDUAL CARTON (KV-32V26/32V36/34V36C)     |

#### KV-35V76 ONLY

|                |                                  |
|----------------|----------------------------------|
| 2-352-981-01   | SPACER (KV-35V76)                |
| 2-359-505-01   | RETAINER, MAGNET (KV-35V76)      |
| * 4-030-895-01 | JOINT (KV-35V76)                 |
| 4-041-162-01   | PIN RACK (KV-35V76)              |
| 4-041-362-01   | HINGE SET (KV-35V76)             |
| * 4-041-423-01 | SHEET PROTECTION (KV-35V76)      |
| * 4-041-425-01 | BAG, PROTECTION (KV-35V76)       |
| * 4-052-910-01 | CUSHION (UPPER ASSY) (KV-35V76)  |
| * 4-052-911-01 | TRAY (KV-35V76)                  |
| * 4-052-914-01 | INDIVIDUAL CARTON (KV-35V76)     |
| * 4-053-277-01 | CUSHION (LOWER, ASSY) (KV-35V76) |
| 4-054-376-01   | WASHER (4) (KV-35V76)            |
| 4-054-426-01   | CUSHION (FRONT) (KV-35V76)       |
| 4-055-014-01   | SPACER (KV-35V76)                |
| 4-055-138-01   | SHEET FRONT (KV-35V76)           |
| 4-838-438-00   | LATCH (KV-35V76)                 |

#### KV-35V36/37V36M ONLY

|                |   |
|----------------|---|
| * 4-053-658-01 | BAG, PROTECTION (KV-35V36/37V36M)       |
| * 4-053-276-01 | INDIVIDUAL CARTON (KV-35V36/37V36M)     |
| * 4-053-277-01 | CUSHION (UPPER ASSY) (KV-35V36/37V36M)  |
| * 4-053-278-01 | CUSHION (LOWER, ASSY) (KV-35V36/37V36M) |

### REMOTE COMMANDER

|              |                                   |
|--------------|-----------------------------------|
| 1-473-750-41 | REMOTE COMMANDER RM-Y137A         |
| 4-978-977-01 | LID, BATTERY COVER (FOR RM-Y137A) |

**NOTES:**

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**9-965-827-01**

**Sony Corporation**  
**Sony Technology Center**  
**Product Quality Division**  
**Service Promotion Department**

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